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LISTS OF SPECIES

Vascular Flora of the Tocantins River Middle Basin, Brazil

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ABSTRACT: This study provides a checklist of the phanerogams and pteridophytes of the Tocantins river middle basin, in northern Goiás state and southern Tocantins state, Brazil. Herbarium samples were collected from 2000 to 2009 and this floristic survey recorded 1572 species from 135 families. The most species-rich families were Fabaceae (217), Poaceae (116), Asteraceae (88), Euphorbiaceae (65), Orchidaceae (58) and Malpighiaceae (56). Furthermore, 14 endangered species and 31 rare species were recorded, mainly associated with the *campos rupestres* in the Veadeiros Plateau region. The flora mainly from the phytophyisiognomies *cerrado stricto sensu*, *campo rupestre* ("rocky fields"), *mata de galeria* ("gallery forest"), *mata ciliar* ("riverine forest") and semi-deciduous seasonal forest comprised typical species of the mid-western Cerrado floristic province, such as the most widely known woody plants *Anadenanthera colubrina* (Vell.) Brenan (popular name *angico*), *Aspidosperma subincanum* Mart. ex A. DC. (*guatambú*), *Astronium fraxinifolium* Schott ex Spreng. (*gonçalo-alves*), *Callisthene fasciculata* Mart. (*pau-jacaré*), *Dipteryx alata* Vogel (*barú*), *Guazuma ulmifolia* Lam. (*mutamba*) and *Magonia pubescens* A. St.-Hil. (*tingui*). This study is the first to record a wide floristic list of this important region of central Brazil.

INTRODUCTION

The *Cerrado* biome covers about two million square kilometers or 21% of the Brazilian territory, located between the 5° to 20° S and 45° to 60° W (Ribeiro and Walter 2008). Most of this biome is located in the Central Plateau and its vegetation consists of a mosaic with herbaceous, savanna and forest formations. These formations are limited by climate, physical and chemical properties of soils, fire, water table depth and also human activities such as cattle-raising and deforestation for agriculture (Eiten 1972, Ribeiro and Walter 2008).

Among the vegetation phytophysiognomies of the *Cerrado* biome the *cerrado stricto sensu* is the dominant type and occurs mostly on Latosols in the highlands, as well as on rocky and lateritic soils. The composition and structure of flora on this latter kind of soil is still dealt with in few studies. Floristic differences are expected in these shallow soils regarding the selective forces acting on vegetation development in these habitats (Felfili and Fagg 2007).

The Tocantins river basin, in northern Goiás and southern Tocantins, comprises a few remnants of unaltered native vegetation (MMA 2008a) with floristic types related to the Latosols, Cambisols, Lithosols and Argisols, besides some lateritic soils (SEPLAN 2008, SIEG 2010). This region is located in the mid-western *Cerrado* province, as detailed in the biogeographic studies of Ratter *et al*. (2003) and Bridgewater *et al*. (2004). It consists of a higher abundance of typical species, mostly on mesotrophic soils. Furthermore, there are some vegetation communities associated with the sandy and rocky soils in the highlands of Veadeiros Plateau at altitudes ranging from 700 to 1,600 m (SIEG 2010).

The data from mapping the vegetation cover of the Brazilian biomes (MMA 2008a) reported at least 38.98% of human disturbed areas and 60.42% of unaltered native vegetation remnants in the *Cerrado* biome, mostly in the north-northeastern province (Ratter *et al*. 2003, Bridgewater *et al*. 2004), whereas the other provinces, such as the central-western, showed the highest rates of deforestation.

The aim of this study was to record the vascular flora of the Tocantins river middle basin in order to extend the information on the local vegetation of this region and on the *Cerrado* flora overall.

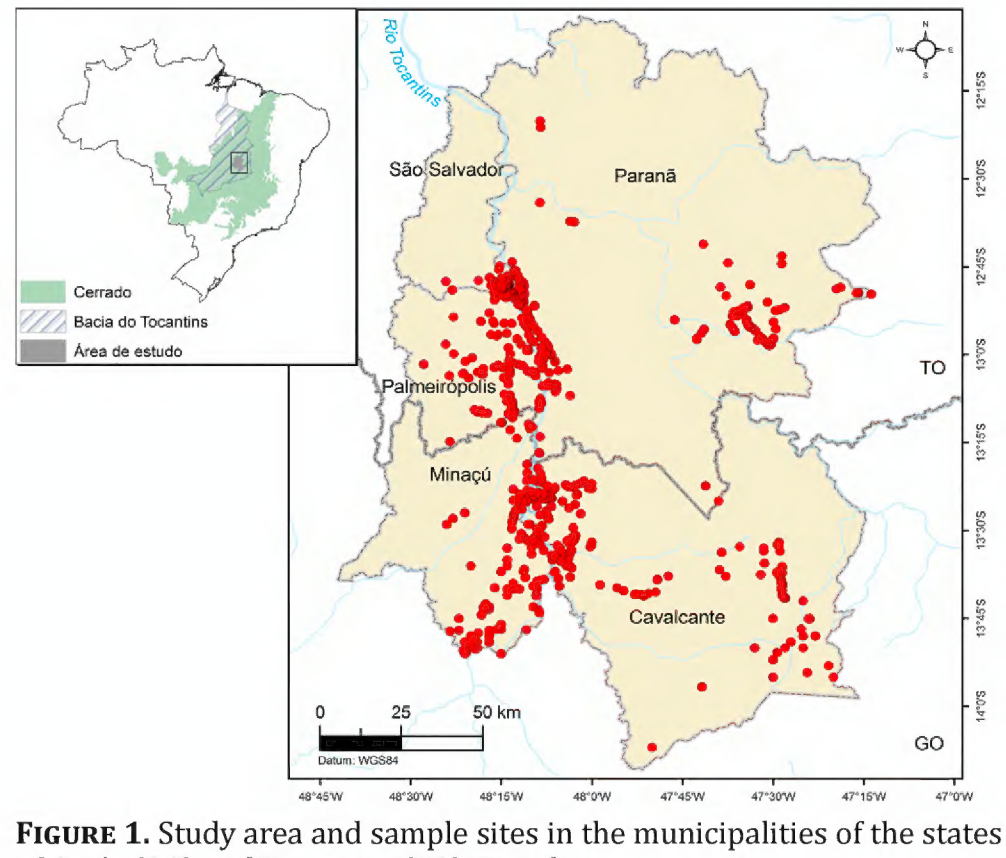

FIGURE 1. Study area and sample sites in the municipalities of the states of Goiás (GO) and Tocantins (TO), Brazil.

Materials and Methods

Study Site

The study site included the municipalities of Minaçu and Cavalcante, located in the state of Goiás, and Palmeirópolis, Paranã and São Salvador, in the state of Tocantins (Figure 1).

The climate is the Aw type, in accordance with Köppen classification, which means tropical humid with dry winters and wet summers. The annual rainfall is from 1,400 to 1,600 mm and the average annual temperature is between 23 and 25°C (Silva *et al*. 2008).

The region is located in the *Cerrado* biome with remnants of forests, savannas and herbaceous formations. The forest vegetation comprises (*sensu* Ribeiro and Walter 2008) the seasonal or dry forests, *cerradão* ("xeromorphic forest"), *matas ciliares* ("riverine forests") and *matas de galeria* ("gallery forests") (Figure 2), with the latter two physiognomies located on the banks of the Tocantins river and around seasonal or permanent streams and natural drainage routes. The savanna vegetation, the most widespread in area, includes the *cerrado stricto sensu* as the dominant type (Figure 3) and small *veredas*. The herbaceous vegetation is characterized by the *campos rupestres* ("rocky fields"), *campos sujos* ("dense fields") and *campos limpos* ("open fields").

Data Collection

The floristic survey used randomly the 'walk-through' method (Filgueiras *et al.* 1994). The study was carried out on about 30 expeditions from 2000 to 2009, related to projects of rescue of plant germplasm of Embrapa Recursos Genéticos e Biotecnologia (Cenargen) that aimed to characterize the local flora. All vascular specimens observed in reproductive phase were collected, pressed, dried and subsequently incorporated into the Embrapa Recursos Genéticos e Biotecnologia herbarium (CEN Herbarium), in accordance with the usual methodology (Mori *et al.* 1985).

The identification of species took place at the herbariums CEN, UB (University of Brasília Herbarium), HEPH (Botanic Garden of Brasília Herbarium) and IBGE (Brazilian Institute of Geography and Statistics Herbarium), using literature and identification by family specialists. The floristic survey follows the Angiosperm Phylogeny Group III (APG III 2009) for flowering plants and Chase and Reveal (2009) for ferns. The names of flowering plants and ferns follow the criteria adopted by Forzza *et al*. (2010, 2012).

Results and Discussion

A total of 1572 species from 135 families were recorded (Table 1) indicating a rich flora. The most species-rich families were Fabaceae (217), Poaceae (116), Asteraceae (88), Euphorbiaceae (65), Orchidaceae (58) and Malpighiaceae (56). These families are highly representative in the *Cerrado* biome (Mendonça *et al.* 2008, Forzza *et al*. 2010). Another 55 families reported only one or two species.

Figure 2. *Matas ciliares* ("riverine forests") in Tocantins river middle basin located in the municipality of São Salvador do Tocantins (TO), Brazil.

Figure 3. *Cerrado stricto sensu* in Tocantins river middle basin located in the municipality of São Salvador do Tocantins (TO), Brazil.

The richness observed was related to a wide range of collections within different habitats and their vegetation communities, which characterize an element of the regional diversity. After studying the woody vegetation of the *Cerrado* biome, Ratter *et al*. (2003) recorded *alfa* diversity values of up to 100 species in an analysis of 376 different study sites. These authors pointed out that the Tocantins river basin is one of the hotspots for woody diversity in the *Cerrado lato sensu*. Among the 951 woody species recorded in 376 sites by Ratter *et al*. (2003) and Bridgewater *et al*. (2004), more than half were located in only one *Cerrado* province, with few species widespread in all other provinces.

Ecological differences characterize the species list in each *Cerrado* province defined by Ratter *et al*. (2003). For instance, there is a general trend toward higher species abundance associated with mesotrophic soils in the mid-western and far-western *Cerrado* provinces. Some well-known and characteristic species from these provinces that were recorded in the study area are *Anadenanthera colubrina* (Vell.) Brenan (popular name *angico*), *Aspidosperma subincanum* Mart. ex A. DC. (*guatambú*), *Astronium fraxinifolium* Schott ex Spreng. (*gonçalo-alves*), *Callisthene fasciculata* Mart. (*pau-jacaré*), *Dipteryx alata* Vogel (*barú*), *Guazuma ulmifolia* Lam. (*mutamba*) and *Magonia pubescens* A. St.-Hil. (*tingui*) (Bridgewater *et al*. 2004).

As regards threatened species, there are 14 that are included on the Brazilian lists (IUCN 2010, MMA 2008b) (Table 1) in different classes of threat: *Amburana cearensis* (Allemão) A.C. Sm. (threatened, endangered), *Cedrela fissilis* Vell. (threatened, endangered), *Diplusodon retroimbricatus* Koehne, *Dipteryx alata* Vogel (threatened, vulnerable), *Euterpe edulis* Mart. (threatened), *Fuirena umbellata* Rottb. (threatened), *Hyptis imbricatiformis* Harley (threatened), *Lafoensia pacari* A. St.-Hil. (threatened), *Machaerium villosum* Vogel (threatened, vulnerable), *Myracrodruon urundeuva* Allemão (threatened), *Paspalum niquelandiae* Filg. (threatened), *Phragmipedium vittatum* (Vell.) Rolfe (threatened), *Ocotea aciphylla* (Nees and Mart.) Mez (threatened, least concern) and *Sorocea guilleminiana* Gaudich. (threatened, vulnerable).

Furthermore, there were 31 rare species in the study area, according to Giulietti *et al.* (2009): *Angelonia pratensis* Gardner ex Benth., *Bulbostylis loefgrenii* (Boeck.) Prata and M.G. López, *Cambessedesia glaziovii* Cogn. ex A.B. Martins, *Cuphea potamophila* T. Cavalcanti and S. Graham, *Diplusodon appendiculosus* Lourteig, *D. argenteus* Lourteig, *D. decussatus* Gardner, *D. heringeri* Lourteig, *D. leucocalycinus* Lourteig, *D. longipes* Koehne, *D. petiolatus* (Koehne) T. Cavalcanti, *D. retroimbricatus* Koehne, *D. sigillatus* Lourteig, *D. sordidus* Koehne, *Gomphrena serturneroides* Suess., *Hypenia aristulata* (Epling) Harley, *Hyptis imbricatiformis* Harley, *Ichthyothere connata* S.F. Blake, *Lippia gardneriana* Schauer, *L. grandiflora* Mart. *Mimosa oligosperma* Barneby, *M. pycnocoma* Benth., *Paspalum niquelandiae* Filg., *P. vallsii* R.C. Oliveira and G.H. Rua, *Piriqueta lourteigiae* Arbo, *Pterandra hatschbachii* W.R. Anderson, *Polygala marquesiana* J.F.B. Pastore and T. Cavalcanti, *P. patens* J.F.B. Pastore and Marques, *P. suganumae* J.F.B. Pastore and Marques, *Sauvagesia lanceolata* Sastre and *Wedelia souzae* H. Rob.. The genus *Diplusodon*, from a very rare family (Lythraceae) in Brazil (Giulietti *et al*. 2009) stood out, with 10 rare species, of which seven were recorded at altitudes of up to 700 m in the region of Chapada dos Veadeiros (Cavalcanti and Noronha 2009). This region is characterized by a number of local endemics, mostly associated with the *campos rupestres,* where three species of the genus *Polygala* and two species of *Mimosa,* as well as *H. imbricatiformis, I. connata*, *S. lanceolata* and *W. souzae,* were also found (Giulietti *et al*. 2009).

This study extends knowledge on the flora of the Tocantins river middle basin, comprising the phytophysiognomies of *cerrado lato sensu*, *campos rupestres*, *matas de galeria* (gallery forests), *matas ciliares* (riverine forests) and seasonal semi-deciduous forests. The study area is characterized by species typical of mesotrophic and lateritic soils, besides typical species of the *Cerrado* and *campos rupestres* on more dystrophic soils, such as sandy and litholic in the highlands. Additional surveys may increase the floristic data showed in this study of a region that presents high species-richness and several rare species. This study is the first to record a wide floristic list of this important region of central Brazil.

Table 1. Species recorded in the Tocantins river middle basin, Brazil. Physiognomies: MS = semi-deciduous seasonal forest; CE = *cerrado stricto sensu*; CL = *campo limpo* ("open field"); CR = *campo rupestre* ("rocky field"); CO = *Cerradão* ("xeromorphic forest"); CS = *campo sujo* ("dense field"); MG = *matas de galeria* ("gallery forests"); MC = *matas ciliares* ("riverine forests"); VE = *vereda*; PA = pastures; AQ = *aquatic environment*; AN = anthropogenic area; MI = *mata de galeria inundável* ("flooded gallery forest").
AAS = Aécio Amaral Santos; ACS = Anderson Cássio Sevilha; BW = Bruno Machado Teles Walter; FB = Fernanda Bucci; GHR = Gabriel Hugo Rua; GPS = Glocimar Pereira da Silva; HGS = Hamilton Garbogini Pinho dos Santos; JAB = João Aguiar N. Batista; JBB = João Bernardo Bringel; JBP = João Benedito Pereira; JFP = José Floriano Pastore; LAS = Ladislau Araujo Skorupa; LC = Lídio Coradin; MCA = Marta Camargo de Assis; MCS = Micheline Carvalho Silva; MFS = Marcelo Fragomeni Simon; RCO = Regina Célia Oliveira; TBC = Taciana Barbosa Cavalcanti

TAXON	PHYSIOGNOMY	VOUCHER
Acanthaceae		
Dicliptera sp.	CE, MG	GPS 12027, 6621
Elytraria imbricata (Vahl.) Pers.	MC	GPS 11716
Justicia harleyi Wassh.	MG	GPS 11932
Justicia imbricata (Vahl.) Pers.	MG	GPS 6614
Justicia sericographis V.A.W. Graham	CE	GPS 5059, SPS 1419, GPS 10742, GPS 10516, GPS 10606
Justicia tocantina (Nees) V.A.W. Graham	CE	GPS 13452
Lepidagathis floribunda (Pohl) Kameyama	CE, MG, MS	TBC 1104, GPS 10744, GPS 14171
Lepidagathis sessilifolia (Pohl) Kameyama ex Wassh. and J.R.I. Wood	CE	GPS 11157

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Ruellia adenocalyx Lindau	CE	GPS 6502
Ruellia brevifolia (Pohl) Ezcurra	CE	GPS 10381
Ruellia costata Lindau	CE	ACS 4062, GPS 11631
Ruellia dissitifolia (Nees) Hiern.	CE, CS, MG	GPS 4551, GPS 5588, GPS 10911
Ruellia incompta (Nees) Lindau	CE	GPS 13450
Ruellia nitens (Nees) Wassh.	CS	GPS 5202
Ruellia rufipila Rizz.	CE, MG	GPS 10988
Ruellia aff. *silvaccola* Mart. ex Nees	CE	GPS 10607
Ruellia verbasciformis (Nees) C. Ezcurra and Zappi	CE	GPS 11761
Stenandrium pohlii Nees	CE, CS	GPS 11026
Alismataceae		
Echinodorus longipetalus Micheli	AQ, MS	MCA 401, GPS 11619
Echinodorus macrophyllus (Kunth) Micheli	MC	ACS 3936
Echinodorus tenellus (Mart. ex Schult. and Schult. f.) Buchenau	AQ, CE	GPS 11864
Echinodorus cf. *trialatus* Fassett	MG	GPS 11900
Limnocharis laforestii Duchass. ex Griseb.	MC	ACS 3498
Sagittaria rhombifolia Cham.	CE, MG	GPS 11787, ACS 3811
Alstroemeriaceae		
Alstroemeria burchellii Baker	MG	GPS 14186
Alstroemeria gardneri Baker	CE, CR	HGS 435, GPS 13466
Alstroemeria longistyla Schenk	CL, VE	JAB 834
Alstroemeria stenophylla M.C. Assis	CE	GPS 11485
Alstroemeria viridiflora Warm.	CO, MS	GPS 4862
Bomarea edulis (Tussac) Herb.	MS	JBP 52
Amaranthaceae		
Alternanthera brasiliana (L.) Kuntze	CE, MG	GPS 6498
Alternanthera tenella Colla	MG	GPS 6618
Chamissoa altissima (Jacq.) Kunth	MC, MG	GPS 11842, GPS 10736, GPS 10498
Gomphrena lanigera Pohl	CE	TBC 872, GPS 11023
Gomphrena serturneroides Suess.	MC	GPS 4973
Gomphrena vaga Mart.	MG	GPS 5671
Pfaffia gnaphaloides (L. f.) Mart.	CE	GPS 6530, GPS 12350
Amaryllidaceae		
Griffinia nocturna Ravenna	CE, MC, MG, MS	GPS 10892, GPS 11012
Habranthus datensis Ravenna	CE	BW 5834
Hippeastrum glaucescens Herb.	CE	GPS 11108
Hippeastrum puniceum (Lam.) Kuntze	CE, MC, MG, MS	GPS 4410, TBC 2701, GPS 15808, GPS 12210, GPS 12353
Hippeastrum solandriflorum (Lindl.) Herb.	CE, CS	BW 4657, BW 3541, GPS 12391, GPS 12253
Anacardiaceae		
Anacardium humile A. St.-Hil.	CE	GPS 5054, BW 2586, GPS 11783, GPS 12005
Anacardium nanum A. St.-Hil.	MS	GPS 5303
Anacardium occidentale L.	CE, CO, CS, MS	GPS 5284, BW 2425, GPS 11892, GPS 11999
Astronium fraxinifolium Schott ex Spreng.	CE, MC	GPS 5366, ACS 3533, GPS 12155
Myracrodruon urundeuva Allemão	CE, CO, MC, MS	GPS 5242, GPS 12174, GPS 10961, GPS 12162
Spondias mombin L.	CE, CO, MC, MG, MS	GPS 4522, GPS 10712, GPS 12156
Tapirira guianensis Aubl.	CE, CS, MC, MG	GPS 5283, BW 4042, JBP 59, GPS 6506
Anemiaceae		
Anemia buniifolia (Gardn.) T. Moore	CE	ACS 3918
Anemia elaphoglossoides Mickel	CR	JFP 815
Anemia phyllitidis (L.) Sw.	CE	JBP 49
Anemia tomentosa (Sav.) Sw.	CE	ACS 3919
Annonaceae		
Annona aurantiaca Barb. Rodr.	CE, CO, CS, MG	BW 4611, TBC 2648, BW 5804, GPS 11030
Annona coriacea Mart.	CE, CS, MC	BW 4544, BW 4512, BW 5796, GPS 10894, GPS 10623
Annona dioica A. St.-Hil.	CE	GPS 12370, GPS 11021
Annona montana Macfad.	CO, MG, MS	GPS 4665
Annona monticola Mart.	CE	GPS 4558

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Annona tomentosa R.E. Fr.	CE, CL, CO, CS, MC, MS, VE	GPS 5626, BW 748, BW 5798, GPS 10905
Cardiopetalum calophyllum Schltdl.	MS	BW 3252
Duguetia marcgraviana Mart.	MG, MS	TBC 1109, GPS 12133
Ephedranthus parviflorus S. Moore	CE, MG	GPS 11053, GPS 12351
Guatteria lanceolata R.E. Fr.	MG, MS	BW 3509
Oxandra sp.	CE, MG	GPS 5664, ACS 3779
Rollinia sp.	MC, MG	GPS 10731, GPS 10398
Unonopsis lindmanii R.E. Fr.	MC, MG, MS	BW 4041, GPS 10410, GPS 10710
Xylopia aromatica (Lam.) Mart.	CE, CO, MG, MS	GPS 4724, TBC 862, GPS 11876, GPS 10951
Xylopia emarginata Mart.	MG	BW 3816
Apiaceae		
Eryngium ebracteatum Lam.	CE, CL, MG, VE	BW 4786, BW 858, GPS 12028
Eryngium juncifolium Mathias and Constance	CE	BW 910
Apocynaceae		
Allamanda angustifolia Pohl	CE, CL, CS	BW 4778, BW 692, GPS 12884
Asclepias candida Vell.	CS	TBC 1006
Asclepias curassavica L.	CE	TBC 1894
Aspidosperma macrocarpon Mart.	CO	ACS 3530
Aspidosperma nobile Müll. Arg.	CE	BW 4647, BW 2570, BW 5820, GPS 10947, GPS 10996
Aspidosperma parvifolium A. DC.	MS	BW 5945
Aspidosperma pyrifolium Mart.	CE, MC, MS	GPS 12169, ACS 4077
Aspidosperma subincanum Mart.	CE, CO, MC, MG, MS	GPS 4926, TBC 2684, GPS 12179, GPS 10611
Aspidosperma tomentosum Mart.	CE, MG	GPS 5318, BW 5828, GPS 10787
Barjonia erecta (Vell.) K. Schum.	CL	JFP 538
Blepharodon sp.	CE	ACS 4023
Forsteronia pubescens A. DC.	MC	GPS 10727, ACS 3980
Funastrum clausum (Jacq.) Schltr.	MS	GPS 4819
Hancornia speciosa Gomes	CE, CS	GPS 5286, TBC 2685, BW 5827, GPS 12383, GPS 10993
Hemipogon acerosus Decne.	CL, CS, MG	BW 4681
Hemipogon irwinii Fontella and Paixão	CE, CL	JFP 820, BW 912
Himatanthus obovatus (Müll. Arg.) Woodson	CE, CS	GPS 4363, TBC 1178, JBP 95, GPS 6563, GPS 11526
Macroditassa adnata (Fourn.) Malme	MG	BW 2408
Macrosiphonia martii Müll. Arg.	CE, CL, CS, VE	MCA 379, JBP 99
Macrosiphonia velame (A. St.-Hil.) Müll. Arg.	CE	GPS 14138
Mandevilla hirsuta (Rich.) K. Schum.	CE, CS, MC, MS, VE	JFP 819, BW 693, ACS 3790
Mandevilla myriophyllum (Taub.) Woodson	CE	BW 914
Mandevilla pohliana (Stadelm.) A.H. Gentry	CE	BW 712
Mandevilla tenuifolia (Mikan) Woodson	CE, CL, MG, MS, VE	GPS 4486, BW 871, GPS 12226
Marsdenia cf. *weddellii* (Fourn.) Malme	CE	ACS 4107
Mesechites mansoanus (DC.) L.G. Lohmann	CE, MC	GPS 10482
Minaria cordata (Turcz.) T.U.P. Konno and Rapini	MG	JFP 543
Odontadenia hypoglauca (Stadelm.) Müll. Arg.	MC, MG, MS	BW 4497, GPS 10452
Odontadenia lutea (Vell.) Markgr.	CE	GPS 5077, TBC 1454, GPS 6556, GPS 10649
Prestonia erecta (Malme) J.F. Morales	CE	LAS 639, BW 4515, JBP 71, GPS 10987
Prestonia lagoensis (Müll. Arg.) Woodson	CE	ACS 3815
Schubertia grandiflora Mart. and Zucc.	MC	GPS 4831, GPS 11430
Secondatia densiflora A. DC.	CE, MG	BW 4537, ACS 3582
Stipecoma peltigera (Stadelm.) Müll. Arg.	CE	JFP 795
Tassadia propinqua Decne.	MG	BW 4761
Aquifoliaceae		
Ilex affinis Gardn.	CE, MG	GPS 4507
Ilex brasiliensis (Spreng.) Loes.	MG	BW 3537
Ilex integerrima Reissek	CE	GPS 11628
Araceae		
Caladium sp.	MG	GPS 5693
Colocasia sp.	MG	GPS 5748
Dracontium sp.	MS	GPS 15814

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Philodendron mayoi E.G. Gonçalves	MG	GPS 11047
Philodendron wullschlaegelii Schott	CE, MG	GPS 6443, BW 3257
Schismatoglottis sp.	CE	GPS 11137
Spathicarpa gardneri Schott	MG	GPS 10943
Taccarum sp.	CE, MC, MG, MS	GPS 5694, GPS 4425, GPS 15811, GPS 10962
Xanthosoma striatipes (Kunth) Madison	CE, CL, MG, VE	BW 4788, BW 878
Araliaceae		
Dendropanax cuneatus (DC.) Decne. and Planch.	MG	GPS 5187, BW 2401, GPS 10666
Schefflera macrocarpa (Cham. and Schltdl.) Frodin	CE, CL, VE	JBP 141, HGS 428
Schefflera cf. *morototoni* (Aubl.) Maguire, Steyerm. and Frodin	MG	BW 3274
Arecaceae		
Astrocaryum vulgare Mart.	MC, MG	BW 4577, GPS 10424
Attalea eichleri (Drude) A.J. Hend.	CE	GPS 10494
Attalea phalerata Mart. ex Spreng.	MC	GPS 10784
Desmoncus leptoclonos Drude	CE, MG, MS	GPS 4614
Euterpe edulis Mart.	MG	BW 3403
Mauritiella armata (Mart.) Burret	MG	GPS 5679
Syagrus cocoides Mart.	CE, MS	GPS 5356, GPS 10790
Syagrus comosa Mart.	CE, MG	BW 2379
Syagrus deflexa Noblick and Lorenzi	CR	GM 16447
Syagrus flexuosa (Mart.) Becc.	MS	BW 5935
Syagrus graminifolia Becc.	CE	GPS 4722, GPS 12072
Syagrus petraea (Mart.) Becc.	CO	GPS 5231
Aristolochiaceae		
Aristolochia barbata Jacq.	CE	TBC 2670
Aristolochia claussenii Duch.	CE	GPS 5730, JBP 32
Aristolochia holostylis F. González	CO, MC, MG, PA	GPS 5771, GPS 4879, GPS 11121
Aristolochia pyrenea Taub.	CE	GPS 5631, ACS 3974
Aristolochia warmingii Mart.	CE, MG	GPS 4443, GPS 12323
Asparagaceae		
Clara stricta R.C. Lopes and Andreata	CE	GPS 12236
Herreria salsaparilha Mart.	CE, MC, MG	GPS 4968, GPS 15876, GPS 14151
Asteraceae		
Acmella ciliata (Kunth) Cass.	MG	GPS 6617
Aspilia attenuata (Gardn.) Baker	MS	GPS 5016
Aspilia aff. *decumbens* D.J.N. Hind	CL	JBB 256
Aspilia floribunda (Gardn.) Baker	MC	GPS 4847
Aspilia foliacea (Spreng.) Baker	CE, CS	GPS 4415, TBC 989, GPS 12382
Ayapana amygdalina (Lam.) R.M. King and H. Rob.	CE, CS	GPS 5280, GPS 11916, GPS 6518
Baccharis linearifolia (Lam.) Pers.	CE	RCO 891
Bidens sp.	CE, CS	JBB 834
Calea candolleana (Gardn.) Baker	CE, MS	GPS 4581, GPS 11733, ACS 3726, GPS 14136
Calea aff. *dalyi* Pruski and Urbatsch	MS	ACS 4125
Calea elongata (Gardn.) Baker	AQ, CE, CL, MG, VE	JBB 84, ACS 3602, GPS 10653
Calea hypericfolia (Gardn.) Baker	CE	ACS 3775
Calea quadrifolia Pruski and Urbatsch	CE	JBB 80
Calea cf. *reticulata* Gardn.	CE	GPS 5630
Campuloclinium megacephalum (Mart. ex Baker) R.M. King and H. Rob.	CE	JBB 88
Centratherum punctatum Cass.	CE	ACS 3943
Chresta angustifolia Gardn.	CL	JBB 784
Chresta souzae H. Rob.	CE, CS	JBB 838
Chromolaena chaseae (B.L. Rob.) R.M. King and H. Rob.	CE	ACS 4034
Chromolaena leucocephala Gardn.	CE	GPS 10681
Chromolaena mucronata (Gardn.) R.M. King and H. Rob.	CE	ACS 3758
Chromolaena myriocephala (Gardn.) R.M. King and H. Rob.	CE	GPS 5114
Chromolaena pseudinsignis R.M. King and H. Rob.	CE	JBB 92
Chromolaena pungens (Gardn.) R.M. King and H. Rob.	CE	GPS 11763
Chromolaena squalida (DC.) R.M. King and H. Rob.	CE	GPS 11692, GPS 10344

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Chrysolaena desertorum (Mart. ex DC.) Dematt.	CE, CL	GPS 5638, TBC 1036, GPS 10983
Chrysolaena obovata (Less.) Dematt.	CE, CL, CS, MG, MS	BW 4658, BW 4508, GPS 12282
Chrysolaena simplex (Less.) Dematt.	CE, CS	BW 4624, TBC 988, GPS 10904
Dasyphyllum donianum (Gardn.) Cabrera	MC	ACS 3590
Dimerostemma goyazense (Gardn.) M.D. Moraes	MC	GPS 5004
Dimerostemma vestitum (Baker) S.F. Blake	CE	TBC 1115
Echinocoryne subulata (Baker) H. Rob.	CE	GPS 10751
Eclipta prostrata (L.) L.	MC	BW 4595, JBP 149
Elephantopus riparius Gardn.	MC, MG	GPS 10555
Eleutheranthera ruderalis (Sw.) Sch. Bip.	MS	GPS 5756
Erechtites hieraciifolia (L.) Raf. ex DC.	MC, MG	JBP 145, GPS 11968
Eremanthus capitatus (Spreng.) MacLeish	CE	JBB 837
Eremanthus goyazensis (Gardn.) Sch. Bip.	CE	GPS 5079
Eremanthus mattogrossensis Kuntze	CE	GPS 10770
Glaziovianthus curumbensis (Philipson) MacLeish	CE, CS	GPS 4389
Glaziovianthus purpureus G.M. Barroso	CE	GPS 5619
Glaziovianthus speciosus (Gardn.) MacLeish	CE	GPS 11992, GPS 12305
Ichthyothere connata S.F. Blake	CE	JBB 93
Ichthyothere terminalis (Spreng.) S.F. Blake	CL	JBB 257
Lepidaploa aurea (Mart. ex DC.) H. Rob.	CE	BW 4779, ACS 3737
Lepidaploa remotiflora (Rich.) H.Rob.	CE	ACS 3825
Leptostelma tweediei (Hook. and Arn.) D.J N. Hind and G.L. Nesom	CE, CL	GPS 4621
Lessingianthus bishopii (H. Rob.) H. Rob.	CS	JBB 797
Lessingianthus buddleiifolius (Mart. ex DC.) H. Rob.	CE	MCA 388, GPS 11523
Lessingianthus durus (Mart. ex DC.) H. Rob.	CE, CS	GPS 5066, GPS 11993, GPS 10575, GPS 10691
Lessingianthus fonsecae (H. Rob.) H. Rob.	CE	JBB 89
Lessingianthus hoveaefolius (Gardn.) H. Rob.	CE, MS	GPS 5017, GPS 11545
Lessingianthus linearifolius (Less.) H. Rob.	CL, CS	JFP 501
Lessingianthus myrsinites H. Rob.	CE	JBB 86, MCA 405
Lessingianthus obscurus (Less.) H. Rob.	MS	GPS 5020
Lessingianthus psilophyllus (DC.) H. Rob.	CL	JFP 549
Mikania cf. *campanulata* Gardn.	MG	GPS 11930
Mikania cordifolia (L. f.) Willd.	CE	GPS 6634
Mikania goyazensis (B.L. Rob.) R.M. King and H. Rob.	CE	JBB 87
Mikania officinalis Mart.	CL, VE	BW 707
Mikania psilostachya DC.	MG	BW 2415
Pectis elongata Kunth	CE, CL	ACS 3748
Planaltoa salviifolia Taub.	CE, CL	JBB 799
Porophyllum angustissimum Gardn.	CE	JBB 835
Porophyllum ruderale (Jacq.) Cass.	CE	ACS 3764
Praxelis capillaris (DC.) Sch. Bip.	CE	RCO 843
Praxelis grandiflora (DC.) Sch. Bip.	CE	ACS 3727
Praxelis kleinioides (Kunth) Sch. Bip.	CE	GPS 5097
Riencourtia longifolia Baker	CE	JBB 770
Riencourtia oblongifolia Gardn.	CE, MG, MS, VE	GPS 4578, GPS 5018, JBP 37, GPS 12296, GPS 11554
Riencourtia tenuifolia Gardn.	CE, CL, CS	JBB 812
Spilanthes nervosa Chodat	CE, CS	GPS 12378
Staurochlamys burchellii Baker	CE, MG	ACS 3776
Stomatanthes trigonus (Gardn.) R.M. King and H. Rob.	CL	ACS 3567
Tilesia baccata (L.) Pruski	CE, CO, MC	JBB 76, TBC 1049, JBP 105
Trichogonia cinerea (Gardn.) R.M. King and H. Rob	CE	JBB 772
Trichogonia dubia (B.L. Rob.) R.M. King and H. Rob.	CE	GPS 11525
Tridax procumbens L.	MS	GPS 4808
Trixis glutinosa D. Don	CE, CS	JFP 533, GPS 10752
Vernonanthura ferruginea (Less.) H. Rob.	CE	GPS 6633
Vernonia rubriramea Mart. ex DC.	CE	RCO 864
Viguiera bracteata Gardn.	MS	JBB 750
Viguiera grandiflora Gardn.	CS	BW 4654
Viguiera oblongifolia Gardn.	CE, CL, PA	GPS 4532, GPS 12908

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Wedelia cf. *pallida* Gardn.	CE	MCA 428
Wedelia souzae H. Rob.	AQ	JBB 85
Wunderlichia crulsiana Taub.	CE	JBB 90
Xerxes ekmanianum (Philipson) J.R. Grant	CR	GM 16417
Bignoniaceae		
Anemopaegma arvense (Vell.) Stellfeld ex de Souza	CE, CS	GPS 5617, TBC 2687, GPS 12295, GPS 12352
Anemopaegma longipetiolatum Sprague	MC	GPS 5146
Arrabidaea brachypoda (DC.) Bureau	CE, CS, MG, VE	GPS 5856, LBB 1231, GPS 11960, GPS 12310
Arrabidaea cinerea Bureau and K. Schum.	MS	GPS 5753
Arrabidaea cinnamomea (DC.) Sandw.	CE, CR	GPS 4553, BW 3678
Arrabidaea corallina (Jacq.) Sandw.	MG, MS	GPS 4754, GPS 5359
Arrabidaea cf. *craterophora* (DC.) Bureau	CL	JFP 516
Arrabidaea florida A. DC.	MC	GPS 10407
Arrabidaea platyphylla Bureau and K. Schum.	CS	TBC 991
Arrabidaea sceptrum (Cham.) Sandw.	CE, CS	BW 916, ACS 3986
Callichlamys latifolia (Rich.) K. Schum.	CO, MC, MG	GPS 4663, JBP 155
Cybistax antisyphilitica (Mart.) Mart.	CE	GPS 12073
Distictella elongata (Vahl) Urb.	CE, CO	GPS 5827
Distictella mansoana (DC.) Urb.	CE	JBP 139
Handroanthus impetiginosus (Mart. ex DC.) Mattos	CE, MC, MG, MS	GPS 5240, GPS 11927, GPS 12049, GPS 10609
Handroanthus serratifolius (Vahl) S.O. Grose	CE	GPS 12144
Jacaranda brasiliana (Lam.) Pers.	CE, CO, MG, MS	GPS 5656, TBC 2695, GPS 11989, GPS 10948
Jacaranda rufa Manso	CE	BW 777
Jacaranda simplicifolia K. Schum.	CL	JFP 520
Melloa quadrivalvis (Jacq.) A.H. Gentry	CE, MS	GPS 11807, GPS 12180
Memora axillaris Bur. and K. Schum.	CE, MC	TBC 1163, GPS 12894, ACS 4016
Paragonia pyramidata (Rich.) Bureau	MG	GPS 6606
Tabebuia aurea (Manso) Benth. and Hook. f. ex S. Moore	CE, MS	GPS 5277, GPS 11884, ACS 3407
Tabebuia roseoalba (Ridl.) Sandwith	CE, MS	GPS 5712, GPS 12170
Zeyheria montana Mart.	CE	TBC 1110
Bixaceae		
Cochlospermum regium (Schrank) Pilg.	CE	GPS 5082, TBC 1438, GPS 11879, GPS 10374
Bixa orellana L.	AN, CE, MC, MG, MS	TBC 840, GPS 10729, ACS 3978
Blechnaceae		
Blechnum occidentale L.	MG	BW 920
Boraginaceae		
Cordia alliodora (Ruiz and Pav.) Oken	MC, MG	GPS 10732, GPS 10792
Cordia gerascanthus L.	MG	GPS 10937
Cordia glabrata (Mart.) A. DC.	CE, MG, MS	TBC 848, GPS 11878, ACS 3437
Cordia superba Cham.	CE	RCO 887
Cordia trichotoma (Vell.) Arráb. ex Steud.	CE, MC, MG, MS, PA	GPS 5129, BW 5924, ACS 3839
Heliotropium anomalum Hook. and Arn.	CE	GPS 12052
Heliotropium filiforme Lehm.	MG	GPS 12316
Heliotropium indicum L.	AN, MC, MG	BW 4598, GPS 5592, GPS 6620
Heliotropium procumbens Mill.	MC	GPS 10626
Tournefortia breviflora DC.	CE, MC, MG	GPS 5644, GPS 11715, GPS 12870, GPS 12157
Tournefortia paniculata Cham.	CO	GPS 5707
Varronia calocephala (Cham.) Friesen	CE	ACS 3738
Varronia polycephala Lam.	CE	ACS 4060
Varronia sessilifolia (Cham.) Borhidi	CE, MG, VE	BW 4535, BW 776
Bromeliaceae		
Aechmea tocantina Baker	CE	GPS 12068
Ananas ananassoides (Baker) L.B. Sm.	CE, MC	GPS 11035
Bromelia sp.	CE, MC	GPS 11895, ACS 3985
Dyckia brasiliana L.B. Sm.	CE, CS	BW 4794, BW 735, ACS 3603
Dyckia machrisiana L.B. Sm.	CE	GPS 5625

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Tillandsia streptocarpa Baker	CR, MG, MS	GM 16517, BW 3419, ACS 4085
Bryaceae		
Bryum sp.	MS	ACS 4082
Burmanniaceae		
Burmannia capitata Mart.	CL	JAB 1530
Burmannia flava Mart.	CL, CR, CS	JFP 505
Burseraceae		
Commiphora leptophloeos (Mart.) J.B. Gillett	MS	ACS 4061
Protium heptaphyllum (Aubl.) March.	CE, MG, MS	GPS 11905, GPS 11959, GPS 10939
Protium ovatum Engl.	CE	GPS 6511
Protium spruceanum (Benth.) Engl.	MC	ACS 3499
Tetragastris altissima (Aubl.) Sw.	CE, CO, MG, MS	GPS 5227, GPS 5237, BW 5814, GPS 6516, GPS 10597
Cabombaceae		
Cabomba furcata Schult. and Schult. f.	CE	GPS 11642
Calophyllaceae		
Calophyllum brasiliense Cambess.	CE, MG	BW 4049, GPS 12184, GPS 6602, GPS 11625
Campanulaceae		
Centropogon cornutus (L.) Druce	CE, MG	GPS 5835
Lobelia sp.	CL, VE	JAB 841
Cannabaceae		
Celtis iguanaea (Jacq.) Sarg.	CO, MC, MG, MS	GPS 4816, GPS 5582, GPS 12199, ACS 3899
Trema micrantha (L.) Blume	MC, MG	BW 4580, GPS 10737, GPS 6623
Capparaceae		
Cleome cf. *spinosa* Jacq.	MG	GPS 4462
Caryocaraceae		
Caryocar brasiliense Cambess.	CE, MS	GPS 5278, BW 3499, GPS 10434
Caryocar cuneatum Wittm.	CE	GPS 11950, ACS 3472
Caryophyllaceae		
Polycarpaea corymbosa (L.) Lam.	CE, MS	ACS 3747
Celastraceae		
Cheiloclinium cognatum (Miers.) A.C. Smith	MG, MS	BW 4669, BW 5877, GPS 11048
Hippocratea volubilis Sw.	MC	GPS 11856
Maytenus floribunda Reissek	CE, MG	AAS 594, GPS 6569
Peritassa laevigata (Hoffmanns. ex Link) A.C. Sm.	MG	BW 3535
Salacia crassifolia (Mart. ex Schult.) G. Don	CE	GPS 4358, BW 4518, GPS 11010
Salacia elliptica (Mart. ex Schult.) G. Don	CE, MG, MS	GPS 11126, GPS 5714, GPS 12192, ACS 3446
Chloranthaceae		
Hedyosmum brasiliense Mart. ex Miq.	MG	BW 3405
Chrysobalanaceae		
Couepia grandiflora (Mart. and Zucc.) Benth. ex Hook f.	CE, MG	BW 3414, GPS 10945, GPS 10999
Couepia uiti (Mart. and Zucc.) Benth. ex Hook f.	MC	ACS 3509
Exellodendron sp.	CE	GPS 4776
Hirtella burchellii Britton	CE, MS	TBC 2699
Hirtella glandulosa Spreng.	CO, MS	GPS 5230, GPS 5300
Hirtella gracilipes (Hook. f.) Prance	CE, MC, MG	GPS 4744, RCO 862, GPS 11865, ACS 3477, GPS 10665
Hirtella hebeclada Moric. ex DC.	CE, MC	ACS 3552
Hirtella martiana Hook. f.	MG	GPS 12017
Licania apetala (E. Mey.) Fritsch	MC, MG	BW 4600, GPS 5376
Licania blackii Prance	CE	GPS 5400
Licania engleri Prance	MG	GPS 6402
Licania gardneri (Hook. f.) Fritsch.	CE, MC, MG, MS	GPS 5678, GPS 5292, ACS 3447
Licania kunthiana Hook. f.	CE, MG	GPS 4501
Licania sclerophylla (Mart. ex Hook. f.) Fritsch	CE, MG, MS	GPS 5410, BW 757, GPS 12188, GPS 6519
Clusiaceae		
Caraipa sp.	MG	GPS 14177
Clusia gardneri Planch. and Triana	CE, CR, MG, VE	GM 16539, BW 3409, GPS 11626
Clusia sellowiana Schltdl.	MC, MG	BW 4690, BW 3567
Kielmeyera cerasina Saddi	CE, CS	GPS 12380, BW 760
Kielmeyera coriacea Mart. and Zucc.	CE, MC, MS	GPS 4649, AAS 359, BW 5805, GPS 10511, GPS 11001

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Kielmeyera lathrophyton Saddi	CE, MG	JFP 822, GPS 4427
Kielmeyera pulcherrima L.B. Sm.	CE	GPS 4721, GPS 11814, GPS 11560
Kielmeyera rubriflora Cambess.	CE	BW 739, ACS 3542
Kielmeyera speciosa A. St.-Hil.	CE, CO	BW 2382, GPS 10768
Rheedia sp.	CE, MC	JBP 168
Vismia decipiens Cham. and Schltdl.	MC, MG	GPS 11166
Combretaceae		
Buchenavia tomentosa Eichler	CE, MC, MG, MS	GPS 5287, GPS 5220, GPS 12022, ACS 3585
Combretum discolor Taub.	MC	GPS 11742, ACS 3540
Combretum duarteanum Cambess.	CE	ACS 3977
Combretum fruticosum (Loefl.) Stuntz	CE, MG, MS	GPS 5214, RCO 885, GPS 11752
Combretum hilarianum D. Dietr.	MG, MS	TBC 2606, GPS 12238
Combretum lanceolatum Pohl ex Eichler	MC, MG	GPS 5159, GPS 4954, ACS 3510
Combretum leprosum Mart.	CO, MC, MS	BW 4799, GPS 5239, ACS 4126, GPS 11435
Terminalia actinophylla Mart.	CE, CO, MC, MS	GPS 4615, TBC 1177, GPS 11883, GPS 11040, GPS 11621
Terminalia argentea Mart.	AN, CE, CL, CO, MG, MS	BW 4609, TBC 1116, BW 5801, GPS 11007
Terminalia glabrescens Mart.	CE	ACS 3410
Terminalia cf. *phaeocarpa* Eichler	CE, MG	GPS 11702
Commelinaceae		
Commelina sp.	CE, MC	GPS 5119, JBP 142
Dichorisandra perforans C.B. Clarke	MG	GPS 14192
Murdannia cf. *gardneri* (Seub.) G. Brückn.	CE	GPS 11159
Connaraceae		
Connarus suberosus Planch.	CE, CS	GPS 4368, BW 721, ACS 3467, GPS 10605
Rourea induta Planch.	CE	GPS 4362, BW 705, GPS 12299, GPS 11006
Convolvulaceae		
Aniseia cernua Moric.	MS	GPS 11610
Bonamia maripoides Hallier f.	CE	GPS 6423
Cuscuta glomerata Choisy	CE	GPS 10758
Evolvulus alopecuroides Mart.	CE	ACS 3876
Evolvulus aurigenius Mart.	CE, CL	JFP 407, GPS 11559
Evolvulus elegans Moric.	CE	GPS 5087
Evolvulus ericaefolius Mart. ex Schrank	CE, CL	JFP 402, ACS 3650, GPS 5921
Evolvulus filipes Mart.	CE, MC	GPS 4841, GPS 11785, GPS 14168
Evolvulus pterygophyllus Mart.	CL	JFP 404
Ipomoea alba L.	MC	GPS 11447
Ipomoea bahiensis Willd. ex Roem. and Schult.	MS	GPS 5373
Ipomoea batatoides Choisy	MG	GPS 10589
Ipomoea bonariensis Hook.	MS	GPS 4806
Ipomoea cordata (Choisy) Austin and Staples	MG	GPS 11755
Ipomoea coriacea Choisy	CE, MG	TBC 1079, GPS 11915
Ipomoea cuneifolia Meisn.	CE	GPS 11458, GPS 11546
Ipomoea echioides Choisy	CE	JFP 875, GPS 12886
Ipomoea fiebrigii Hassler ex O´Donell	CL, CR	JFP 408
Ipomoea goyazensis Gardn.	MS	BW 3254
Ipomoea hirsutissima Gardn.	CE, CS	BW 913
Ipomoea neriifolia Gardn.	CE, CL, CS	GPS 5945, TBC 1083
Ipomoea pinifolia Meisn.	CE, CL, VE	MCA 391, GPS 13444
Ipomoea pohlii Choisy	CE	GPS 4413
Ipomoea procumbens Mart. and Choisy	CE	TBC 1082
Ipomoea procurrens Meisn.	CE	GPS 11771
Ipomoea quamoclit L.	MC	GPS 10441
Ipomoea ramosissima (Poir.) Choisy	CE, MC	GPS 5128, GPS 12025
Ipomoea rupestris Sim.-Bianch. and Pirani	CL	JFP 406
Ipomoea sericophylla Meisn.	CO	TBC 1076
Jacquemontia fusca Hallier	CS	TBC 1143
Jacquemontia racemosa Meisn.	CL, VE	TBC 1135

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Maripa reticulata Ducke	MG	GPS 12361
Merremia aegyptia (L.) Urb.	MG	GPS 10495
Merremia aturensis (Kunth) Hallier f.	CS	ACS 3575
Merremia cissoides (Lam.) Hallier f.	MC	GPS 4978
Merremia digitata (Spreng.) Hallier f.	CS	GPS 5209
Merremia tomentosa (Choisy) Hallier f.	CE	GPS 12309
Merremia umbellata (L.) Hallier f.	MG	TBC 2655
Operculina alata (Ham.) Urban	CE, CO, MS	GPS 4921, GPS 4866, GPS 14166
Turbina cordata (Choisy) Austin and Staples	MC	GPS 5135
Costaceae		
Costus acaulis S. Moore	MG, MS	GPS 5648, BW 4492, BW 5874
Costus spicatus (Jacq.) Sw.	CE	GPS 15812
Costus spiralis (Jacq.) Roscoe	MC, MG	BW 4579, BW 3260, JBP 143
Costus subsessilis (Nees and Mart.) Maas	MG	GPS 10965
Dimerocostus sp.	MS	GPS 15813
Cucurbitaceae		
Cayaponia tayuya (Vell.) Cogn.	MC	GPS 11839
Melothria sp.	MS	GPS 4800
Cyperaceae		
Ascolepis brasiliensis (Kunth) Benth. ex C.B. Clarke	VE	GPS 5841
Bulbostylis conifera (Kunth) C.B. Clarke	CE	GPS 12221
Bulbostylis fasciculata Uittien	CE	GPS 4487
Bulbostylis fendleri C.B. Clarke	CE, MS	GPS 4333
Bulbostylis jacobinae (Steud.) Lindm.	CE	GPS 4494
Bulbostylis junciformis (Kunth) C.B. Clarke	CE	GPS 4573, GPS 12303
Bulbostylis loefgrenii (Boeck.) Prata and M.G. López	CE, MG, VE	BW 883
Bulbostylis paradoxa (Spreng.) Lindm.	CE, CS	BW 4554, TBC 863, GPS 6532
Bulbostylis stenocarpa Kük.	CE	ACS 3878
Bulbostylis truncata (Nees) M.T. Strong	CE	GPS 10984
Cyperus cf. *giganteus* Vahl	CE	GPS 11648
Cyperus globosus Boeck.	CE	GPS 10479
Cyperus haspan L.	CE	GPS 11153, GPS 11649
Cyperus iria L.	CE, MC	GPS 11721, GPS 10387
Cyperus laxus Lam.	MC, MG	GPS 5673, JBP 132
Cyperus luzulae (L.) Rottb. ex Retz.	CE, VE	GPS 11139, BW 788, GPS 11644
Cyperus schomburgkianus Nees	CE	GPS 12235
Cyperus surinamensis Rottb.	MC	GPS 11722
Eleocharis interstincta (Vahl) Roem. and Schult.	MS	GPS 11618
Eleocharis minima Kunth	CE, MC	GPS 12026
Eleocharis mutata (L.) Roem. and Schult.	CE	GPS 11789
Eleocharis palustris (L.) Roem. and Schult.	MC	GPS 11723
Fimbristylis dichotoma (L.) Vahl	CE, MC, MG	GPS 11150, GPS 11719, ACS 3668
Fimbristylis miliacea (L.) Vahl	MC, MG	GPS 4685, GPS 11717, ACS 3491
Fuirena umbellata Rottb.	CE	GPS 11651
Kyllinga odorata Vahl	MG	GPS 5674
Lagenocarpus verticillatus (Spreng.) T. Koyama and Maguire	CE	GPS 5121
Lipocarpha humboldtiana Nees	CE, MS, VE	GPS 5842, ACS 3685
Rhynchospora cephalotes (L.) Vahl	CS, MG	GPS 4411, GPS 11970, GPS 10663
Rhynchospora consanguinea (Kunth) Boeckeler	CE, MG, VE	GPS 5865, BW 763, GPS 10952
Rhynchospora dentinux C.B. Clarke	CE	TBC 1169
Rhynchospora elatior Kunth	CE	MCA 386, GPS 11487
Rhynchospora globosa (Kunth) Roem. and Schult.	CE, CL, MG, VE	BW 879, ACS 3601, GPS 13501
Rhynchospora nervosa (Vahl) Boeckeler	CE, MG, VE	BW 861
Rhynchospora patuligluma C.B. Clarke ex Lindm.	CE	BW 764
Rhynchospora rugosa (Vahl) Gale	MG	RCO 859
Rhynchospora tenuis Link	CL, VE	TBC 1117
Rhynchospora velloziiformis T. Koyama	VE	BW 734
Rhynchospora velutina Boeck.	CE, MG, VE	BW 887

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Scirpus bracteata Cav.	VE	RCO 842
Scirpus hirtella Sw.	CE, MG, VE	BW 864
Scleria sp.	CE, MC, MG, VE	GPS 5110, RCO 857, JBP 135, ACS 4063
Dennstaedtiaceae		
Lindsaea divaricata Klotzsch	CE	JBP 47
Dichapetalaceae		
Tapura amazonica Poepp. and Endl.	CE, MG, MS	BW 3529, JBP 40, GPS 6517
Dilleniaceae		
Curatella americana L.	CE	BW 4540, TBC 2620, GPS 11920, ACS 3408
Davilla elliptica A. St.-Hil.	CE	BW 4533, TBC 868, GPS 11712, GPS 10358
Davilla grandiflora A. St.-Hil. and Tul.	CE	GPS 4418, ACS 4011
Davilla nitida (Vahl) Kubitzki	CE, CS, MC, MG	TBC 997, GPS 11867, ACS 3442
Doliocarpus brevipedicellatus Garcke	CS, MG	GPS 5320, TBC 1009
Doliocarpus dentatus (Aubl.) Standl.	MC, MG	GM 16394, GPS 10697
Dioscoreaceae		
Dioscorea adenocarpa Mart.	CE, MG	GPS 4482
Dioscorea amaranthoides C. Presl	MS	GPS 5210
Dioscorea campestris Griseb.	MG, MS	GPS 4799, GPS 12060
Dioscorea corumbensis R. Knuth	MC, MG	GPS 4387, TBC 2600, GPS 10772
Dioscorea hassleriana Chodat	CS	ACS 4006
Dioscorea multiflora Griseb.	CE, MG, MS	GPS 5688, ACS 3658
Dioscorea orthogoneura Uline ex Hochr.	MC	LBB 1229
Droseraceae		
Drosera communis A. St.-Hil.	MG	GPS 5197
Drosera sessilifolia A. St.-Hil.	CE	ACS 3962
Ebenaceae		
Diospyros hispida A. DC.	CE	BW 4678, BW 5842
Diospyros sericea A. DC.	CE, MC, MG, MS	GPS 5692, BW 3500, BW 5824, ACS 3450, GPS 10616
Elaeocarpaceae		
*Sloanea guianensis (*Aubl.) Benth.	MC, MG	BW 3575
Emmotaceae		
Emmotum nitens (Benth.) Miers	CE, CS, MC, MG, MS	GPS 4597, GPS 5304, GPS 11736, GPS 6507
Eriocaulaceae		
Comanthera xeranthemoides (Bong.) L.R. Parra and Giul.	CS	JFP 1828
Eriocaulon modestum Kunth	CS	GPS 10664
Eriocaulon sellowianum Kunth	CE	GPS 6448
Paepalanthus giganteus Sano	CL, VE	TBC 1140
Paepalanthus subtilis Miq.	CL	JFP 527
Syngonanthus caulescens (Poir.) Ruhland	CE, CL, MC, MG, VE	JFP 381, GPS 12030, ACS 3592, GPS 10655
Syngonanthus gracilis (Bong.) Ruhland	CE	GPS 5098, ACS 3678
Syngonanthus nitens (Bong.) Ruhland	CL, VE	JFP 523, RCO 870, ACS 3600, GPS 12047
Erythroxylaceae		
Erythroxylum campestre A. St.-Hil.	CE	GPS 6457
Erythroxylum daphnites Mart.	CE, CL, CS, MG, MS	GPS 5744, BW 726, ACS 3519
Erythroxylum deciduum A. St.-Hil.	CE, CS, MS	GPS 4372, GPS 4343
Erythroxylum pruinosum O. E. Schulz	CE	GPS 10896
Erythroxylum squamatum Sw.	CE, MG	GPS 4479
Erythroxylum suberosum A. St.-Hil.	CE	GPS 4367, TBC 865, BW 5822, GPS 12381
Erythroxylum subracemosum Turcz.	MG, MS	TBC 2613, BW 5871, GPS 10958
Erythroxylum tortuosum Mart.	CE, CL, VE	TBC 1028
Euphorbiaceae		
Acalypha communis Müll. Arg.	MG	GPS 5321
Alchornea schomburgkii Benth.	CE, MC	GPS 12033, GPS 12354
Astraea lobata (L.) Klotzsch	CE, MG, VE	BW 868
Bernardia crassifolia Müll. Arg.	CE	ACA 2740, GPS 6553
Bernardia hirsutissima (Baill.) Müll. Arg.	CE, CS	GPS 5628
Bernardia similis Pax and K. Hoffm.	CE	GPS 12379
Caperonia palustris (L.) A. St.-Hil.	CE, MS	GPS 4521, GPS 11613

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Chamaesyce caecorum (Mart. ex Boiss.) Croizat	CE, CS	GPS 5614, BW 761, GPS 10908
Chamaesyce cf. *potentilloides* (Boiss.) Croizat	CE, MS	GPS 4347
Chamaesyce cf. *thymifolia* (L.) Millsp.	CE	ACS 3675
Chamaesyce hirta (L.) Arthur	MC	GPS 11562
Chamaesyce hyssopifolia (L.) Small	MC, MG, MS	GPS 5669, JBP 151, GPS 11481
Chamaesyce selloi (Klotzsch and Garcke) Croizat	CE, CS	GPS 5642, BW 765
Cnidoscolus cnicodendron Griseb.	AN, CE	BW 4631, BW 736, JBP 106
Cnidoscolus urens (L.) Arthur	MC	GPS 10446
Croton antisyphiliticus Mart.	CE, CS, MG, MS	GPS 12372, GPS 4346, GPS 10907
Croton chaetocalyx Müll. Arg.	CE	GPS 4471, JBP 14, ACS 4092
Croton glandulosus L.	CE	GPS 5927
Croton grandivelus Baill.	CE	BW 772, JBP 24
Croton hirtus L´Herit.	MS	GPS 5754
Croton lanjouwensis Jabl.	MG	GPS 12263
Croton matourensis Aubl.	MG	BW 4652
Croton pedicellatus Kunth	CE	GPS 4469
Croton urucurana Baill.	CE, MC, MG	GPS 5416, GPS 12889, GPS 10635
Dalechampia caperonioides Baill.	CE	GPS 12112
Dalechampia cujabensis Mart. ex Baill.	MC	JBP 63
Dalechampia linearis Baill.	CE, MS	GPS 4552, TBC 2664, GPS 11991, GPS 10906, GPS 11550
Ditaxis sp.	MC	GPS 10556
Euphorbia sp.	CE	GPS 4429
Jatropha elliptica (Pohl) Oken	CE, CS	BW 4520, GPS 10902
Julocroton humilis Didr.	CE	JBP 18, GPS 12277, GPS 11534
Mabea cf. *piriri* Aubl.	MS	GPS 5168
Mabea pohliana Müll. Arg.	CE, MC, MG, MS	GPS 4751, BW 3248, GPS 11654, GPS 10568, GPS 10698
Manihot alutacea D.J. Rogers and Appan	CE	ACA 3667
Manihot anomala Pohl	CE, MC, MG, MS	GPS 4448, BW 4490, JBP 46
Manihot divergens Pohl	CE	TBC 2668
Manihot esculenta Crantz	CE, MC, MG, MS	ACA 2847, GPS 4428, GPS 13455, GPS 10695
Manihot cf. *gracilis* Pohl	CE	GPS 10910
Manihot leptophylla Pax and K. Hoffm.	MS	BW 3245
Manihot mossamedensis Taub.	CE, CO, MS	GPS 4942, GPS 4431, GPS 10757
Manihot peltata Pohl	CE, CL	GPS 4495
Manihot pruinosa Pohl	CE, CO	ACA 2848
Manihot pseudopruinosa Pax and K. Hoffm.	CE, CS, MS	ACA 2737, ACA 4062
Manihot purpureo-costata Pohl	CE, CS	ACA 3490, HGS 430
Manihot quinqueloba Pohl	MS	GPS 4646
Manihot reptans Pax	CL	GPS 4605
Manihot sagittato-partita Pohl	CE	GPS 11831, GPS 12313, GPS 14137
Manihot salicifolia Pohl	CE, CS	ACA 3087
Manihot stricta Baill.	CE	GPS 12292
Manihot tenerrima Pohl	CE	GGH 56322
Manihot tomentosa Pohl	MS	BW 3246
Manihot tripartita (Spreng.) Müll. Arg.	CE, CL, CS, MG, MS	ACA 2850, TBC 2666, GGH 56336, GPS 12281
Manihot triphylla Pohl	CE, CO, CS	ACA 2734, BW 958
Manihot tristis Müll. Arg.	CE, MG, MS	ACA 2849
Manihot violacea Pohl	CE	TBC 1142
Maprounea guianensis Aubl.	MS	GPS 4534
Microstachys bidentata (Mart. and Zucc.) Esser	CE, CS	ACA 3480, GPS 11521
Microstachys corniculata (Vahl) Griseb.	CE, MC	GPS 4976, ACS 3916
Microstachys serrulata (Mart. and Zucc.) Müll. Arg.	CE	GPS 4441
Sapium glandulosum (L.) Morong	CE, MC, MS	BW 3566, JBP 119
Sapium cf. *pruinosum* Huber	MC	GPS 11420
Sebastiania brasiliensis Spreng.	CE, MG, MS, PA	GPS 5352, RCO 845, BW 5909, GPS 11017
Sebastiania myrtilloides (Mart.) Pax	CE, MC	GPS 4840, GPS 12312, GPS 11535
Sebastiania ramosissima (A. St.- Hil.) Laurenio Melo and M. F. Sales	AN, MC	BW 4634, GPS 4673

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Tragia cf. *ermerichii* Hert.	MS	GPS 5167
Fabaceae		
Acosmium subelegans (Mohlenbr.) Yakov.	MS	GPS 4395
Aeschynomene americana L.	CE, MC	GPS 4520
Aeschynomene brasiliana (Poir.) DC.	CE, MC, MS	GPS 5181, GPS 10543, GPS 10690
Aeschynomene fluminensis Vell.	CE	GPS 11646, GPS 10675
Aeschynomene histrix Poir.	CE, MC, MS	GPS 4630, GPS 11500, GPS 5919
Aeschynomene paniculata Willd. ex Vog.	CE	ACS 3671
Aeschynomene paucifolia Vog.	CE	GPS 4356, GPS 10382
Aeschynomene sensitiva Sw.	MS	GPS 11615
Albizia cf. *niopoides* (Spruce ex Benth.) Burkart	MC	GPS 12195
Amburana cearensis (Allemão) A.C. Sm.	MS	ACS 3516
Anadenanthera colubrina (Vell.) Brenan	CL, CO, MC, MG, MS, PA	GPS 5905, GPS 5217, GPS 12198, GPS 10440
Anadenanthera peregrina (L.) Speg.	CE	GPS 12138, ACS 3455
Andira cujabensis Benth.	CE	BW 4622
Andira humilis Mart. ex Benth.	CE, MC	GPS 12901, ACS 3771
Andira paniculata Benth.	CE	GPS 10959
Andira vermifuga Mart. ex Benth.	CE	GPS 12141, GPS 12007
Apuleia leiocarpa (Vog.) Macbr.	CE, MC, MG	GPS 5048, GPS 6401, GPS 6572
Arachis burchellii Krapov. and W.C. Gregory	CE, MS, PA	GPS 4628, GPS 4450, GPS 10577
Arachis decora Krapov., W.C. Gregory and Valls	CO, MG, MS	GPS 4881, GPS 10968
Arachis macedoi Krapov. and W.C. Gregory	CE	GPS 10960
Arachis prostrata Benth.	CE	GPS 4528, ACS 3940
Arachis retusa Krapov., W.C. Gregory and Valls	CE, CO, MC, MG, MS	GPS 4433, GPS 4516, JFV 12939
Arachis sylvestris (L.) Morong	MC, MG	GPS 4975, GPS 11452
Bauhinia angulicaulis Harms	CE	GPS 4447, GPS 4452
Bauhinia cupulata Benth.	CE, MG	GPS 11990
Bauhinia curvula Benth.	CE	GPS 11699
Bauhinia gardneri Benth.	CE	GPS 4720, GPS 11522
Bauhinia longifolia D. Dietr.	CE, MS	GPS 5276, AAS 355
Bauhinia mollis D. Dietr.	MC	GPS 11713
Bauhinia outimouta Aubl.	CE, MG, MS	BW 4584, RCO 889, GPS 11694, ACS 3598
Bauhinia platypetala Burch. ex Benth.	MC	GPS 4674, GPS 10396
Bauhinia platyphylla Benth.	CE	GPS 4611, BW 905
Bauhinia pulchella Benth.	CE	GPS 11817
Bauhinia rufa (Bong.) Steud.	MG	GPS 5191, GPS 11931
Bauhinia tenella Benth.	MS	GPS 4924
Bauhinia ungulata L.	MC, MS	TBC 845, BW 5887, GPS 11810
Bowdichia virgilioides Kunth	CE, MS	GPS 5384, GPS 11911, ACS 3482
Calliandra dysantha Benth.	CE, MS	GPS 12373, GPS 5752, GPS 12911, GPS 10379
Calliandra longipes Benth.	CE, MG	GPS 12344, GPS 10613
Calliandra parviflora Benth.	CE, MG	GPS 4518, JBP 13, GPS 12218
Calliandra parvifolia (Hook. and Arn.) Speg.	MC	GPS 4949
Calliandra pauciflora Benth.	MG	ACS 3887
Calopogonium caeruleum (Benth.) C. Wright	MC	GPS 5152
Calopogonium mucunoides Desv.	CE	GPS 10389
Camptosema cf. *comosa* Benth.	CE	GPS 5115
Canavalia brasiliensis Mart. ex Benth.	CE, MG	GPS 11758, GPS 10499, GPS 10640
Cenostigma gardnerianum Tul.	CE, MC	TBC 2672, JBP 1, ACS 3756, GPS 11431
Cenostigma macrophyllum Tul.	CE, MC	GPS 11889, GPS 10357
Centrosema heptaphyllum Moric.	CE, MC	ACS 3882
Centrosema macrocarpum Benth.	CE, MC	GPS 5134, GPS 10748
Centrosema molle Mart. ex Benth.	MG	GPS 5165
Centrosema cf. *pascuorum* Mart. ex. Benth.	MS	GPS 5372
Centrosema platycarpum Benth.	CE, MG, MS	GPS 4424, GPS 4797, GPS 11757, JFV 12942
Centrosema pubescens Benth.	MC, MG	GPS 11841, GPS 11729, GPS 11668
Centrosema sagittatum (Humb. Bonpl. ex Willd.) Brandegee	CE, MC	GPS 5130, JFV 12943

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
*Chamaecrista basifolia (*Vog.) H.S. Irwin and Barneby	CE, CL, CS, MG, VE	BW 4806, BW 869, JBP 16
Chamaecrista benthamiana (Harms.) H.S. Irwin and Barneby	CE	GPS 5081
Chamaecrista brevicalyx (Benth.) H.S. Irwin and Barneby	CE	JBP 79, GPS 11596
Chamaecrista conferta (Benth.) H.S. Irwin and Barneby	CE, CS	GPS 5281, GPS 11921, GPS 10367
Chamaecrista dalbergiifolia (Benth.) H.S. Irwin and Barneby	CE, CS	GPS 6436, GPS 5832
Chamaecrista decumbens (Benth.) H.S. Irwin and Barneby	CE	GPS 6554
Chamaecrista desvauxii (Collad.) Killip.	CE, CL, VE	GPS 5183, TBC 1134, ACS 3935
Chamaecrista duckeana (Bezerra and Fernandes) H.S. Irwin and Barneby	CE	JBP 2, GPS 11508
Chamaecrista fagonioides (Vog.) H.S. Irwin and Barneby	CE, MC, MS	GPS 4934, GPS 4849, ACS 3754, GPS 10602
Chamaecrista flexuosa (L.) Greene	CE, MC, MS	GPS 4616, GPS 4850, GPS 11593
Chamaecrista cf. *kunthiana* (Schltdl. and Cham.) H.S. Irwin and Barneby	CE	GPS 5922
Chamaecrista nictitans (L.) Moench	MC	GPS 11563
Chamaecrista orbiculata (Benth.) H.S. Irwin and Barneby	CE, CS	TBC 972, ACS 3532
Chamaecrista ramosa (Vog.) H.S. Irwin and Barneby	CE, VE	GPS 1410, GPS 11598, GPS 10604
Chamaecrista rotundifolia (Pers.) Greene	MC	GPS 4843
Chamaecrista serpens (L.) Greene	MC	GPS 10550
Chamaecrista setosa (Vog.) H.S. Irwin and Barneby	CE	MCA 387, GPS 11914, GPS 11818
Clitoria fairchildiana R. A. Howard	MG, MS	GPS 12130
Clitoria guianensis (Aubl.) Benth.	CE	GPS 12376, GPS 12289
Copaifera langsdorffii Desf.	CE, CO, MC, MG, MS	GPS 5122, GPS 4874, JBP 43, GPS 10506
Copaifera marginata Benth.	CE	GPS 4723, GPS 13442, ACS 3837
Copaifera martii Hayne	CE	GPS 4717, GPS 6541
Copaifera oblongifolia Mart.	CE, MC, MG	GPS 5175, BW 2407, GPS 10749, GPS 11591
Copaifera sabulicola J.A.S. Costa and L.P. Queiroz	CE	GPS 10593
Cratylia argentea O. Kuntze	CE, MC, MG	GPS 5052, GPS 6484, GPS 11677, GPS 10369, GPS 10634
Crotalaria incana L.	MG	GPS 4464
Crotalaria cf. *maypurensis* Kunth	CE	GPS 5180
Crotalaria micans Link	CO	TBC 1069
Crotalaria nitens Kunth	CE, MG	GPS 5324, GPS 6579
Crotalaria pilosa Mill.	CE, VE	GPS 5848, GPS 10364
Crotalaria subdecurrens Mart. ex Benth.	CE	TBC 839
Cyclolobium brasiliense Benth.	MG	GPS 5160, GPS 12389, GPS 12265
Desmodium adscendens DC.	CE, MG	GPS 4513
Desmodium affine Schltdl.	CO	GPS 4880
Desmodium barbatum (L.) Benth.	CE, CL, CS	BW 4774, ACS 3706
Desmodium distortum (Aubl.) Macbr.	CE, MC, MG	ACS 3750
Desmodium incanum DC.	CE	ACS 3859
Desmodium leiocarpum (Spreng.) G. Don	CE	GPS 10766
Desmodium platycarpum Benth.	CE, MC, MG	GPS 5637, TBC 869, GPS 13494, GPS 10903
Desmodium tortuosum (Sw.) DC.	CE, MG	GPS 4455
Dimorphandra mollis Benth.	CE	GPS 5830, ACS 4114, GPS 11005
Dioclea glabra Benth.	MG	GPS 11045
Dioclea virgata (L.C. Rich.) Amshoff	CE, MG	GPS 10531, GPS 11533
Dipteryx alata Vog.	CE, CO, MS	GPS 4696, BW 3564, BW 5795, GPS 10485
Discolobium sp.	CS	GPS 4382
Enterolobium contortisiliquum (Vell.) Morong	CE, MC, MG	GPS 11700, GPS 10385, GPS 12163
Enterolobium gummiferum (Mart.) Macbr.	CE	GPS 11877, GPS 10788
Eriosema benthamianum Mart. ex Benth.	CE	GPS 6505
Eriosema congestum Benth.	CE, CL, CS	GPS 4587, ACS 3432
Eriosema rufum (Kunth) G. Don.	CE	GPS 12910, GPS 11516
Galactia glaucescens Kunth	CE	GPS 10373, GPS 11548
Galactia jussiaeana Kunth	CE	GPS 4774, ACS 3762
Harpalyce brasiliana Benth.	MG, MS	TBC 1108
Hymenaea courbaril L.	CE, MC, MG	BW 3570, GPS 11943, ACS 3946, GPS 10636
Hymenaea martiana Hayne	CE, MC, MS	GPS 4823, TBC 2683, GPS 10717

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Hymenaea stigonocarpa Mart. ex Hayne	CE, CO	GPS 5225, TBC 1111, JBP 9, ACS 3558
Indigofera blanchetiana Benth.	CE	ACS 3767
Indigofera bongardiana (Kuntze) Burkart	CS	TBC 992
Indigofera lespedezioides Kunth	CE, MC	GPS 10465
Indigofera suffruticosa Mill.	MC, MG, VE	GPS 5870, GPS 4461, GPS 10429
Inga cylindrica Mart.	CE, MS	TBC 2682
Inga fagifolia G. Don	MG	GPS 10940
Inga ingoides (Rich.) Willd.	CO, MC, MG, MS	GPS 5245, GPS 11859, GPS 12315
Inga laurina (Sw.) Willd.	MG	GPS 5310, GPS 11909, GPS 12128
Inga nobilis Willd.	MC	GPS 4824
Inga vera Willd.	MC, MG	GPS 12900, ACS 3490
Leptolobium dasycarpum Vog.	CE, CL, MG, VE	BW 4547, TBC 1164, GPS 12165, GPS 10917, GPS 11000
Lonchocarpus sericeus (Poir.) DC.	CO, MC, MG	GPS 4814, GPS 5705, GPS 12881
Luetzelburgia auriculata (Allemão) Ducke	CE	GPS 11912, GPS 6501
Luetzelburgia pallidiflora (Rizzini) H.C. Lima	MS	GPS 5357
Lupinus sp.	CR	JFP 793
Machaerium aculeatum Raddi	MC	GPS 11681
Machaerium acutifolium Vog.	CE, MC, MS	BW 4677, GPS 5139, BW 5785, ACS 3891
Machaerium brasiliense Vog.	MC	GPS 11116
Machaerium opacum Vog.	CE, CO	GPS 5235, GPS 10946
Machaerium villosum Vog.	MS	JBP 53
Macroptilium lathyroides (L.) Urb.	MG	TBC 2632
Mimosa adenocarpa Benth.	CE, MC	GPS 4961, ACS 3743
Mimosa aff. *camporum* Benth.	CE	ACS 3672
Mimosa claussenii Benth.	CE, CL, CS	GPS 4624, GPS 5823
Mimosa densa Benth.	CE, CL	JBB 831-B
Mimosa dichroa Barneby	CE, MG	GPS 4565, HGS 424, GPS 10432, GPS 11532
Mimosa distans Benth.	CE	GPS 4593, GPS 12909
Mimosa falcipina Benth.	CS	ACS 3563
Mimosa foliolosa Benth.	CE, CS	GPS 4572, GPS 5829, GPS 11468, GPS 10689
Mimosa gracilis Benth.	CE, CL, MG, VE	GPS 4679, TBC 867, JBP 26, GPS 11588
Mimosa hirsutissima Mart.	CE, CL, VE	GPS 4527, GPS 5728, GPS 11113, GPS 10916
Mimosa kalunga M.F. Simon and C.E. Hughes	CS	MFS 456
Mimosa longipes Benth.	CS	BW 4615
Mimosa melanocarpa Benth.	CE	GPS 6418, GPS 13446, GPS 10538
Mimosa nitens Benth.	CE, CS	GPS 5878, GPS 11762, GPS 11812, GPS 10639
Mimosa nuda Benth.	CE, MG	HGS 426
Mimosa oligosperma Barneby	CE	MFS 869
Mimosa pigra L.	MC, PA	GPS 4948
Mimosa aff. *procurrens* Benth.	CE	GPS 11579
Mimosa pseudoradula Glaz. ex Barneby	CE	TBC 1422
Mimosa pseudosetosa M.F. Simon and C.E. Hughes	CL, CS	JBB 777
Mimosa pteridifolia Benth.	CE, CL	JBB 833, GPS 11891, GPS 10340
Mimosa pycnocoma Benth.	CE	MFS 868
Mimosa rufipila Benth.	CE	GPS 10573
Mimosa sellowiana Mart.	CE	GPS 10390
Mimosa sensitiva L.	MC	GPS 10444
Mimosa setosa Benth.	CE, CS	GPS 5605
Mimosa skinneri Benth.	CE	JBP 73, GPS 12853, GPS 5920
Mimosa somnians Humb. and Bonpl. ex Willd.	CE, CO, MC, MG, MS	GPS 4610, TBC 866, GPS 10743, GPS 11816
Mimosa vestita Benth.	CE	MFS 769, BW 756
Mimosa viperina M.F. Simon and C.E.Hughes	CS	MFS 461
Mimosa xanthocentra Mart.	CE, MG	GPS 4570, JBP 8, ACS 3731
Mucuna pruriens (L.) DC.	MC	GPS 12904, GPS 10632
Mucuna sloanei Fawc. and Rendle	MC	GPS 4675
Mucuna urens (L.) Medik.	CE	GPS 12151
Myrocarpus sp.	CO	GPS 5236

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Ormosia fastigiata Tul.	MG	TBC 2608
Peltogyne confertiflora (Mart.) Hayne	CE, CO, MS	BW 4772, GPS 5002, GPS 11881
Peltogyne paniculata Benth.	CE, CO	TBC 1154
Periandra coccinea Benth.	CE, MG, VE	GPS 4529, BW 4514, JBP 91, GPS 12230, GPS 10668
Piptadenia gonoacantha (Mart.) J.F. Macbr.	MC, MS	GPS 4798, GPS 11676, GPS 10775
Plathymenia reticulata Benth.	CE, CO, MC	GPS 5241, GPS 11953, ACS 4110, GPS 10624
Platymiscium sp.	MS	GPS 5369
Platypodium elegans Vog.	CE, MC, MG, MS	GPS 5658, GPS 4883, JBP 107, GPS 11602
Poincianella bracteosa (Tul.) L.P. Queiroz	MG	GPS 4753
Poiretia latifolia Vog.	CE	GPS 4782
Pterandra sp.	CE	GPS 13464
Pterodon emarginatus Vog.	CE, MC	GPS 4564, JBP 108, ACS 3452, GPS 10633
Pterodon pubescens Benth.	CE	GPS 11696, GPS 6557
Rhynchosia minima (L.) DC.	CE, MG, MS	GPS 5282, TBC 2605
Rhynchosia pyramidalis (Lam.) Urb.	MG, PA	TBC 2641, GPS 6604
Samanea tubulosa (Benth.) Barneby and J.W. Grimes	CE, MC, MG	TBC 2681, GPS 12197
Sclerolobium paniculatum Vog.	CE, PA	GPS 4695, BW 2380, GPS 11875, GPS 6558, GPS 11008
Senegalia langsdorffii (Benth.) Seigler and Ebinger	MC	GPS 11680, GPS 10706
Senegalia polyphylla (DC.) Britton and Rose	CE, MC, MG, MS	GPS 4681, GPS 5293, GPS 12139, ACS 3862, GPS 10638
Senegalia tenuifolia (L.) Britton and Rose	CE, MC, MG, MS	TBC 2678, GPS 11871, GPS 11037
Senna alata (L.) Roxb.	CE, MG, MS	GPS 11442, GPS 10483
Senna cana (Nees and Mart.) H.S. Irwin and Barneby	CE	GPS 5176
Senna cernua (Balb.) H.S. Irwin and Barneby	MC	GPS 10738
Senna corifolia (Benth.) H.S. Irwin and Barneby	CE	GPS 5125
Senna multijuga (Rich.) H.S. Irwin and Barneby	MC, MG, MS	GPS 5211, GPS 11908, GPS 10542, GPS 10704
Senna occidentalis (L.) Link	MC, MG, MS	GPS 4694, GPS 5150, GPS 11480
Senna silvestris (Vell.) H.S. Irwin and Barneby	CE, MG, MS	GPS 4755, GPS 4549, JBP 172
Senna velutina (Vog.) H.S. Irwin and Barneby	CE, MC	GPS 6421, GPS 11684, GPS 10346
Soemmeringia semperflorens Mart.	CE	GPS 11778
Stryphnodendron adstringens (Mart.) Coville	CS	TBC 963
Stryphnodendron rotundifolium Benth.	CE	GPS 6525
Stylosanthes acuminata M.B. Ferreira and Sousa Costa	CE	BW 907, ACS 3669
Stylosanthes aurea M.B. Ferreira and Sousa Costa	CE	ACS 3699
Stylosanthes campestris M.B. Ferreira and Sousa Costa	MC, MG	GPS 5162, GPS 4965
Stylosanthes gracilis Kunth	CE	GPS 4579, ACS 4093
Stylosanthes guianensis (Aubl.) Sw.	CE, MC, MG	GPS 5117, LBB 1232, GPS 10466
Stylosanthes scabra Vog.	CE	GPS 5067, BW 4519, GPS 10343
Swartzia macrostachya Benth. var. *macrostachya*	CR	JFP 826
Swartzia parvipetala (R.S. Cowan) Mansano	MC, MG, MS	GPS 5147, GPS 12242, GPS 11595
Tephrosia leptostachya DC.	CE, CL, CS, MC, VE	GPS 11832, GPS 4832, GPS 11492
Tephrosia rufescens Benth.	CE	GPS 5629, BW 917
Teramnus uncinatus (L.) Sw.	MC	GPS 10449
Vachellia farnesiana (L.) Wight and Arn.	CE	GPS 5274
Vatairea macrocarpa (Benth.) Ducke	CE, MG, MS	GPS 5308, GPS 5302, GPS 11885, GPS 12059
Vigna adenantha (G. Mey.) Maréchal, Mascherpa and Stainier	MS	GPS 4916
Vigna firmula (Benth.) Maréchal, Mascherpa and Stainier	CE, MS	GPS 5025, GPS 11924
Vigna longifolia (Benth.) Verdc.	MC	GPS 10454
Vigna luteola (Jacq.) Benth.	CE, MC	GPS 4945, GPS 10377
Zornia latifolia Sm.	CE, MC	ACS 3944
Zornia reticulata Sm.	CE	GPS 11461
Gentianaceae		
Calolisianthus amplissimus (Mart.) Gilg	CE, CL, CS, VE	TBC 1124
Calolisianthus speciosus (Cham. and Schltdl.) Gilg	CE, MG	MCS 53, GPS 10522
Chelonanthus imberbis Calió and Pirani	CE	ACS 4109
Chelonanthus purpurascens (Aubl.) Struwe et al.	VE	GPS 5843
Coutoubea sp.	MG	GPS 12048
Curtia tenuifolia (Aubl.) Knobl.	CE, CL, CR, CS	GPS 6425, TBC 1455
Deianira chiquitana Herzog	CE, CS, MC	TBC 842, GPS 13496

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Deianira pallescens Cham. and Schltdl.	CE, CR	RCO 876
Schultesia guianensis (Aubl.) Malme	CL	JFP 506
Schultesia heterophylla Miq.	CE, VE	GPS 6430, GPS 11790, GPS 10467
Gesneriaceae		
Sinningia sp.	MG	GPS 15807
Heliconiaceae		
Heliconia hirsuta L. f.	MC	GPS 10785
Hernandiaceae		
Sparattanthelium tupiniquinorum Mart.	MC, MG	GPS 11800, GPS 12124, GPS 12160
Hydroleaceae		
Hydrolea spinosa L.	CE, MG	GPS 11780, GPS 6609
Hypoxidaceae		
Curculigo scorzonerifolia (Lam.) Baker	CE, CS, MG	GPS 11148, BW 3539, GPS 10970
Iridaceae		
Cipura xanthomelas Mart. ex Klatt	CE	BW 960, ACS 3938
Sisyrinchium cf. *restioides* Spreng.	CL, MG	BW 4808
Sisyrinchium vaginatum Spreng.	CL, MG	EBD 727
Trimezia juncifolia (Klatt) Benth. and Hook. f.	CE, CO, CR, CS, MC, MG	GM 16520, TBC 1114
Krameriaceae		
Krameria argentea Mart. ex Spreng.	CE	GPS 5094, GPS 10461, GPS 10682
Krameria grandiflora A. St.-Hil.	CE, CL	JFP 378, ACS 3730
Krameria tomentosa A. St.-Hil.	CE	GPS 11826
Lacistemataceae		
Lacistema hasslerianum Chodat	MG	BW 3531
Lamiaceae		
Aegiphila integrifolia (Jacq.) Moldenke	CE	ACS 4104
Amasonia angustifolia Mart. and Schauer	CE	GPS 12897, ACS 3953
Amasonia arborea Kunth	CO	TBC 1063
Amasonia hirta Benth.	CE, CL, CS	GPS 5895, MCA 376, ACS 3853
Clerodendrum speciosum Gürke	CE	GPS 4423
Eriope crassipes Benth.	CE, MG	GPS 5635, GPS 10978
Hypenia aristulata (Epling) Harley	CE	GPS 10592
Hypenia brachystachys (Pohl ex Benth.) Harley	CE	GPS 5068
Hypenia marifolia Harley	CL	JFP 1820
Hypenia cf. *pruinosa* Pohl ex Benth.	CE	GPS 11820
Hypenia cf. *simplex* (A. St.-Hil. ex Benth.) Harley	CE	GPS 5072
Hyptidendron arbusculum (Epling) Harley	CS	GPS 5199
Hyptis desertorum Pohl ex Benth.	CE, MC	GPS 5288, ACS 3434, GPS 10620
Hyptis cf. *heterophylla* Benth.	CE	GPS 11766
Hyptis imbricata Pohl ex Benth.	CE, VE	GPS 5099, GPS 11847, GPS 10657
Hyptis imbricatiformis Harley	MG	JFP 536
Hyptis interrupta Pohl ex Benth.	CE	GPS 11469
Hyptis kramerioides Harley and J.F.B. Pastore	CS	JFP 546
Hyptis longifolia Pohl ex Benth.	MC, MG	GPS 10559
Hyptis lutescens Pohl ex Benth.	CE	JFP 1814, GPS 6515
Hyptis malacophylla Benth.	CE	JFP 1817
Hyptis microphylla Pohl ex Benth.	CE	GPS 11660
Hyptis molissima Benth.	CE, MG, VE	BW 900
Hyptis obtecta Benth.	CE, CL, CS	GPS 5118, GPS 10583
Hyptis pycnocephala Benth.	MG	JFP 545
Hyptis rubicunda Pohl ex Benth.	CE, MS	GPS 5014, GPS 10372
Hyptis rubiginosa Benth.	CE, CS	GPS 5096, GPS 11815
Hyptis rugosa Benth.	CE	GPS 11995
Hyptis subrotunda Pohl ex Benth.	VE	GPS 12043
Hyptis violacea Benth.	MG	GPS 5316
Hyptis cf. *virgata* Benth.	CE	GPS 5053
Marsypianthes burchellii Epling	CR, MG	JFP 1822
Marsypianthes foliolosa Benth.	CE, CS, MC	JFP 1832, GPS 12314, GPS 10619

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Marsypianthes montana Benth.	CE, CS	BW 4659, GPS 10980
Peltodon pusillus Pohl	CS	GPS 4378
Salvia scabrida Pohl	CE	TBC 393
Vitex polygama Cham.	MC, MG	GPS 5760, ACS 3537
Vitex regnelliana Moldenke	CE, MS	BW 3497, GPS 12071
Lauraceae		
Aniba heringeri Vattimo	CE, MG	GPS 4477
Cassytha americana Nees	CE	GPS 10580
Cassytha filiformis L.	CE	GPS 4596, GPS 5826, GPS 6630
Nectandra sp.	MG	GPS 14178
Ocotea aciphylla (Nees and Mart.) Mez	CE, MG	GPS 6564
Ocotea diospyrifolia (Meisn.) Mez	MC	GPS 10726, GPS 10707
Persea sp.	MC	ACS 3508
Lecythidaceae		
Cariniana estrellensis (Raddi) Kuntze	MC, MG	BW 3565
Cariniana rubra Gardn. ex Miers.	CE, MC, MG, MS	GPS 11125, GPS 12898, GPS 10780
Lentibulariaceae		
Genlisea aurea A. St.-Hil.	CL	BW 3817
Genlisea filiformis A. St.-Hil.	CL, VE	TBC 1126
Utricularia breviscapa Wright ex Griseb.	CE	GPS 11652
Utricularia hispida Lam.	CE, MG, VE	BW 873
Utricularia laxa A. St.-Hil. and Girard	CL	JFP 480
Utricularia neottioides A. St.-Hil. and Girard	AQ, CE, CL, VE	JFP 8, TBC 1452
Utricularia praelonga A. St.-Hil. and Girard	CL, VE	JAB 832
Utricularia pusilla Vahl	CL	JFP 481
Utricularia simulans Pilg.	CE, CL	JFP 479, TBC 1165
Utricularia subulata L.	CL, VE	JFP 482
Utricularia aff. *triloba* Benj.	CL	JFP 485
Loganiaceae		
Antonia ovata Pohl	CE, MG	GPS 5189, GPS 11923, GPS 11666
Mitreola petiolata (J.F. Gmel.) Torr. and A. Gray	CE	GPS 11577
Strychnos pseudoquina A. St.-Hil.	CE, CO, MS	BW 4773, GPS 4865, GPS 10513
Loranthaceae		
Phthirusa ovata Eichler	CE	GPS 4366
Phthirusa stelis (L.) Kuijt	CE	GPS 4354, GPS 6561
Psittacanthus biternatus (Hoffm.) Blume	CE	GPS 4498, GPS 11528
Psittacanthus cordatus (Hoffm.) Blume	MC	GPS 4670, GPS 11862, GPS 10773, GPS 11421
Psittacanthus plagiophyllus Eichler	CE, CO	GPS 4875, ACS 3441
Lycopodiaceae		
Lycopodium sp.	CE, VE	GPS 13497
Lygodiaceae		
Lygodium venustum Sw.	MC, MG	GPS 12034, GPS 10419
Lythraceae		
Cuphea antisyphilitica Kunth	CE, CL, MC, MG, VE	GPS 5178, AAS 591, GPS 10582, GPS 10654
Cuphea carthagenensis (Jacq.) Macbr.	MS	GPS 5351
Cuphea ferruginea Koehne	CE	GPS 11501
Cuphea gardneri Koehne	CE, MC, MS	GPS 4438, GPS 5151
Cuphea lutescens Pohl ex Koehne	AN, CE	JFP 442, MCA 394
Cuphea melvilla Lindl.	MC	BW 4797, GPS 4829
Cuphea micrantha Kunth	CE	TBC 387, GPS 12896
Cuphea paralarix (Lourteig) T. Cavalcanti and S. Graham	CE, CL	JFP 798
Cuphea potamophila T. Cavalcanti and S. Graham	CE, CL, MG	GPS 4500
Cuphea pterosperma Koehne	CE	BW 784, GPS 12237
Cuphea retrorsicapilla Koehne	CE, CL, CO, CS, MG, MS, VE	GPS 4434, GPS 5727, GPS 11110, GPS 11032
Cuphea rupestris T. Cavalcanti and S. Graham	CE, CL, CS	GPS 11171
Cuphea sessiliflora A. St.-Hil.	CE	GPS 4612, TBC 1170
Cuphea sessilifolia Mart.	CE, CL	TBC 391, AAS 592
Cuphea spermacoce A. St.-Hil.	CE, CL, CS	TBC 3641, TBC 1032

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Cuphea tenuissima Koehne	CE, CS, MG, VE	GPS 4569, GPS 5828, TBC 2231, GPS 5913
Diplusodon appendiculosus Lourteig	CL, CS	JFP 447
Diplusodon argenteus Lourteig	CE, CL, CO, CS	JFP 445
Diplusodon astictus Lourteig	CE, CL, CS	JFP 471
Diplusodon burchellii Koehne	CE, CL, CS, MS	GPS 11170, GPS 11811
Diplusodon ciliatiflorus T. Cavalcanti	CE	BW 962
Diplusodon cordifolius Lourteig	CE, CL, CR, CS	JFP 468
Diplusodon cryptanthus T. Cavalcanti	CE, CL, CO, CS, VE	GPS 4718, TBC 2661, GPS 10594, GPS 10533
Diplusodon decussatus Gardn.	CE, CL, CS	JFP 448
Diplusodon heringeri Lourteig	CO	TBC 3547
Diplusodon imbricatus Pohl	CE, CL, CS	TBC 3524, GPS 10762, GPS 6552, GPS 14133
Diplusodon leucocalycinus Lourteig	CE, CR	JFP 470
Diplusodon longipes Koehne	CE, CL	GPS 4422
Diplusodon marginatus Pohl	CE, CS	TBC 1150
Diplusodon micromerus T. Cavalcanti	CE	JFP 466
Diplusodon oblongus Pohl	CE, CS	JFP 469
Diplusodon paraisoensis Lourteig	CE, CL, CS	JFP 474, ACS 4031
Diplusodon petiolatus (Koehne) T. Cavalcanti	CE, CS	GPS 10435, GPS 10599
Diplusodon punctatus Pohl	CE, CL, CS, MG	TBC 3510, TBC 2700, TBC 2227, GPS 11813, GPS 14144
Diplusodon ramosissimus Pohl	CE, CL	GPS 5305, TBC 2646, GPS 11887, GPS 11854
Diplusodon retroimbricatus Koehne	CE, CR, CS	JFP 467
Diplusodon sigillatus Lourteig	CE	JFP 472
Diplusodon sordidus Koehne	CR	JFP 787
Diplusodon strigosus Pohl	CE, CL, CR, CS, VE	TBC 3517, TBC 1086
Diplusodon virgatus Pohl	CE	TBC 1441
Lafoensia pacari A. St.-Hil.	CE, CO, MG, MS	GPS 11825, SPS 581, GPS 13458, GPS 10492
Physocalymma scaberrimum Pohl	CE, MC, MG, MS, PA	GPS 5273, GPS 11903, GPS 12150
Malpighiaceae		
Aenigmatanthera lasiandra (A. Juss.) W.R. Anderson	CE	GPS 5184, TBC 878, GPS 11917
Banisteriopsis anisandra (Bonpl.) D. Don	CE	GPS 6594
Banisteriopsis argyrophylla (Bonpl.) D. Don	CE	GPS 11695, GPS 10366
Banisteriopsis gardneriana (A. Juss.) W.R. Anderson and B. Gates	CE	GPS 11880, ACS 3426
Banisteriopsis laevifolia (Bonpl.) D. Don	CE, MG	GPS 4746, JBP 17, ACS 3845
Banisteriopsis latifolia (Bonpl.) D. Don	CE	GPS 10508
Banisteriopsis lutea (Griseb.) Cuatrec.	CE	RCO 883
Banisteriopsis megaphylla (Bonpl.) D. Don	CE	GPS 4562, GPS 11688
Banisteriopsis muricata (Cav.) Cuatrec.	MC, MS	GPS 4820, GPS 11445
Banisteriopsis oxyclada (Bonpl.) D. Don	CE, CO, MS, VE	GPS 4795, TBC 1071, ACS 3884
Banisteriopsis pubipetala (Benth.) Radlk.	CE, CL	TBC 2694, ACS 3463
Banisteriopsis schizoptera (Bonpl.) D. Don	MC	GPS 10561
Banisteriopsis stellaris (Griseb.) B. Gates	CE, CS	JFP 491, SPS 570
Banisteriopsis variabilis B. Gates	CE, MS	GPS 4802, GPS 10693
Banisteriopsis vernoniifolia (Bonpl.) D. Don	CE, CS	GPS 4650
Byrsonima basiloba A. Juss.	CE, CL, CS, MC	GPS 4404, BW 755, JBP 166
Byrsonima coccolobifolia Kunth	CE, CS, MG, MS	BW 4621, BW 749, BW 5831
Byrsonima crassa Nied.	CE, MG, MS	BW 727
Byrsonima crassifolia (L.) Kunth	CE	JBP 122
Byrsonima dealbata Griseb.	CE	BW 2585, GPS 11768, GPS 11663
Byrsonima laxiflora Griseb.	CE	JBP 115
Byrsonima pachyphylla A. Juss.	CE	GPS 10383
Byrsonima sericea DC.	MG, MS	BW 5896, GPS 12321
Byrsonima subterranea Brade and Markgr.	CE	GPS 12301
Byrsonima verbascifolia (L.) DC.	CE, CS, MS	LAS 638, TBC 875, GPS 10921, GPS 10646
Byrsonima viminifolia A. Juss.	CE, CL, CS	GPS 5285, JBP 30, GPS 10683
Callaeum psilophyllum (A. Juss.) Johnson	MG	GPS 6613
Camarea affinis A. St.-Hil.	CE	GPS 4485
Camarea ericoides A. St.-Hil.	CE, CS	BW 4563, TBC 871, GPS 10912
Camarea sericea A. St.-Hil.	CS	TBC 970

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Dicella macroptera (Mart.) A. Juss.	MC, MG	GPS 11777, GPS 6568
Diplopterys pubipetala (A. Juss.) W.R. Anderson and C. C. Davis	CE	GPS 12298
Galphimia sp.	CE	GPS 10901
Heteropterys acutifolia A. Juss.	MC	ACS 3502
Heteropterys byrsonimifolia A. Juss.	CE	ACS 3419
Heteropterys campestris A. Juss.	CE, CL, CO, VE	TBC 1084, GPS 11556
Heteropterys dumetorum (Griseb.) Nied.	CE, CO	TBC 2652, GPS 11039
Heteropterys pannosa Griseb.	CL	TBC 1027
Heteropterys perplexa W.R. Anderson	MC	GPS 10703
Heteropterys pteropetala A. Juss.	CE, MS	JFP 799
Heteropterys tomentosa A. Juss.	CE, CL, CS	GPS 4379, TBC 1035, GPS 11882
Hiraea cuiabensis Griseb.	CE, CO, MG	GPS 4430
Janusia sp.	CE	GPS 11683
Mascagnia anisopetala (Benth.) Sprague and Sandwith	MG	GPS 11982
Mascagnia cordifolia (Benth.) Sprague and Sandwith	CE	TBC 2625
Niedenzuella acutifolia (Cav.) W.R. Anderson	CE	GPS 5690
Peixotoa goiana C.E. Anderson	CE	TBC 1424, GPS 10349
Peixotoa magnifica C.E. Anderson	CE, MC	JBP 121, GPS 6545, GPS 10699
Peixotoa paludosa Turcz.	MS	GPS 5715
Peixotoa reticulata Griseb.	CL	JFP 503
Pterandra hatschbachii W.R. Anderson	CE, MS	GPS 4340
Pterandra pyroidea A. Juss.	CE, CS	TBC 977, ACS 3554
Stigmaphyllon sp.	MC	GPS 11843
Tetrapterys ambigua (A. Juss.) Nied.	CE, CS	BW 4656, TBC 877
Tetrapterys jussieuana Nied.	CE	TBC 876
Tetrapterys ramiflora A. Juss.	CE	GPS 10610
Malvaceae		
Apeiba tibourbou Aubl.	CE, CO, MC, MG, MS	GPS 5414, BW 3501, GPS 11678, GPS 11013, GPS 12154
Ayenia angustifolia A. St.-Hil. and Naudin	CE, MG	JFP 496, GPS 11547
Byttneria dentata Pohl	MS	GPS 11608
Byttneria genistella Triana and Planch.	CE	GPS 11623
Byttneria melastomifolia A. St.-Hil.	CE, CL	GPS 4701, JBP 96, GPS 11538
Cienfuegosia affinis (Kunth) Hochr.	CE, MC, MS	GPS 11987, ACS 3471
Corchorus hirtus L.	CE	GPS 4698
Eriotheca gracilipes (K. Schum.) A. Robyns	CE, CS, MS	TBC 2689, GPS 11957
Eriotheca pubescens (Mart. and Zucc.) Schott and Endl.	CE, CS	GPS 5392, BW 2580, ACS 3531, GPS 10995
Guazuma ulmifolia Lam.	CE, MC, MG	GPS 5279, TBC 2677, GPS 10350, GPS 10696
Helicteres aspera A. St.-Hil. and Naudin	CE, CS, VE	GPS 4556, ACS 4020, GPS 11536
Helicteres brevispira A. St.-Hil.	CE, CO, CS, MC, MG, MS	GPS 5423, BW 688, GPS 12172, ACS 3854
Helicteres corylifolia Nees and Mart.	CE, MC, MG	GPS 5422, TBC 2635, GPS 11775, GPS 6576, GPS 10615
Helicteres lhotzkyana (Schott and Endl.) K. Schum.	MC, MG	GPS 5676, GPS 11706
Helicteres sacarolha A. St.-Hil., A. Juss. and Cambess.	CE, CO, CS, MC, VE	GPS 4737, MCA 371, JBP 103, GPS 10342
Luehea divaricata Mart.	CE, MC, MG	AAS 358, ACS 3702
Luehea grandiflora Mart.	MC	GPS 11809
Luehea paniculata Mart. and Zucc.	CO, MG, MS	GPS 5272, GPS 6615
Melochia graminifolia A. St.-Hil.	MS	GPS 11609
Melochia simplex A. St.-Hil.	CE	GPS 11798
Melochia spicata (L.) Fryxell	CE	GPS 11653
Melochia villosa (Mill.) Fawc. and Rendle	CE, CS, MS	GPS 10468
Pavonia biflora Fryxell	CE	ACS 3864
Pavonia cancellata (L.) Cav.	MC, MS	GPS 4912, GPS 4839, GPS 11730
Pavonia hexaphylla (S. Moore) Krapov.	MC, MS	GPS 4960, ACS 4071
Pavonia immitis Fryxell	CE	GPS 10554
Pavonia pohlii Gürke	CE	GPS 11558
Pavonia polymorpha (A. St.-Hil.) Krapov. and Cristób.	MC	GPS 4636
Peltaea macedoi Krapov. and Cristóbal	CE	GPS 4719, BW 901, ACS 3640
Peltaea trinervis (C. Presl) Krapov. and Cristóbal	MG	GPS 5193

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Pseudabutilon spicatum (Kunth) R. E. Fr.	MS	GPS 4935
Pseudobombax longiflorum (Mart. and Zucc.) A. Robyns	CE, CS, MS	TBC 998, GPS 11949, GPS 6570
Pseudobombax marginatum (A. St.-Hil., Juss. and Cambess.) A. Robyns	CE, MG, MS	BW 3255, JBP 67, ACS 3484
Pseudobombax minimum Carv.-Sobr. and L.P. Queiroz	CE	ACS 3457
Pseudobombax tomentosum (Mart. and Zucc.) A. Robyns	MS	BW 5913
Sida acuta Burm. f.	MC	GPS 10630
Sida cordifolia L.	CO, MS	BW 4528, TBC 1059
Sida glomerata Cav.	MG	ACS 3810
Sida cf. *jussiaeana* DC.	MC	GPS 10795
Sida linifolia Cav.	CE, MC, MS	GPS 4837, ACS 3874
Sida planicaulis Cav.	CE	JBP 116
Sida viarum A. St.-Hil.	CE	ACS 3708
Sterculia striata A. St.-Hil. and Naudin	CE, CO, MC, MS	GPS 5246, GPS 12152, GPS 14170, GPS 10990
Triumfetta semitriloba Jacq.	MC	GPS 10404
Urena lobata L.	CE, MC, MG	GPS 5049, GPS 11679, GPS 10641
Waltheria brachypetela Turcz.	CE	GPS 11851, GPS 11557
Waltheria communis A. St.-Hil.	MG	GPS 12346
Waltheria flavovirens Saunders	CE	GPS 6435, ACS 4094, GPS 5928
Waltheria indica L.	CE, MG	ACS 3848
Waltheria operculata Rose	MG	GPS 12220
Waltheria viscosissima A. St.-Hil.	CE, CO, MC	GPS 4846, GPS 12232
Wissadula amplissima (L.) R.E. Fr.	MC	GPS 5142
Marantaceae		
Calathea cf. *capitata* (Ruiz and Pav.) Lindl.	MC, MG	BW 4574, JBP 162, GPS 12355, GPS 11429
Calathea grandiflora K. Schum.	CE, MG	BW 4576, JBP 113, GPS 12365
Calathea cf. *propinqua* (Poepp. and Endl.) Körn.	MG	GPS 12360
Koernickanthe orbiculata (Körn.) L. Andersson	CE, MG	GPS 4467, JBP 68
Maranta divaricata Roscoe	CE, MG	GPS 11517
Maranta aff. *incrassata* L. Andersson	MG	GPS 12364
Monotagma sp.	MG, MS	BW 4648, GPS 5589, BW 5875, GPS 12868
Myrosma cannifolia L. f.	CE, VE	GPS 5858, GPS 12907, ACS 4100
Thalia geniculata L.	MS	GPS 11616
Marcgraviaceae		
Norantea guianensis Aubl. var. *goyasensis* (Cambess.) G.L.Ferreira	CE, MG	GPS 5306, TBC 838, GPS 11046
Schwartzia adamantium (Cambess.) Bedell ex Gir.-Cañas	CE	GPS 5307
Schwartzia brasiliensis (Choisy) Bedell ex Gir.-Cañas	CE	BW 4676
Mayacaceae		
Mayaca sp.	CE	GPS 11643
Melastomataceae		
Acisanthera limnobios (DC.) Triana	CE	GPS 11792
Acisanthera uniflora (Vahl) Gleason	CE	GPS 12031
Cambessedesia glaziovii Cogn. ex A.B. Martins	CR	JFP 499
Cambessedesia ilicifolia Triana	CL	GPS 5953
Cambessedesia regnelliana Cogn.	CL	JFP 807
Clidemia octona (Bonpl.) L.O. Williams	MG, MS	TBC 1106
Desmoscelis villosa (Aubl.) Naudin	VE	GPS 12044
Lavoisiera sp.	CR	JFP 809
Macairea radula (Bonpl.) DC.	CE, CL, MG	GPS 5326, BW 3416
Miconia albicans (Sw.) Steud.	CS	ACS 3572
Miconia burchellii Triana	CE	BW 2583
Miconia chamissois Naudin	MG, VE	BW 2404, GPS 12046
Miconia ciliata (Rich.) DC.	CE, MG, VE	GPS 4652, BW 4054
Miconia ferruginata DC.	CE	BW 4645, BW 2584
Miconia heliotropoides Triana	AN, CE, MG, MS	BW 4637, BW 741, JBP 42, GPS 10928
Miconia ibaguensis (Bonpl.) Triana	MG	BW 4583
Miconia cf. *ligustroides* (DC.) Naudin	CE	BW 4627
Miconia macrothyrsa Benth.	CE, CO, MG, MS	BW 4534, TBC 1068, GPS 11031
Miconia stenostachya DC.	CE, CS	GPS 5609

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Microlicia consimilis Wurdack	CE	GPS 6424
Microlicia euphorbioides Mart.	CE	GPS 11133
Microlicia insignis Schltdl.	CS	TBC 1017
Microlicia isophylla DC.	CL	JFP 509
Microlicia polystemma Naudin	CL	JFP 510
Mouriri elliptica Mart.	CE	ACS 3740
Mouriri pusa Gardn.	MS	ACS 4072
Pterolepis cf. *buraeavii* Cogn.	MC	GPS 11455
Pterolepis filiformis Triana	CE	GPS 4709
Rhynchanthera aff. *hispida* Naudin	CE	GPS 11655
Rhynchanthera cordata DC.	CE, VE	GPS 11853, GPS 10658
Stenodon suberosus Naudin	CE, CL, CS	GPS 6420
Tibouchina melastomoides Cogn.	CE, CL	GPS 11829, BW 2589, GPS 11662
Tibouchina pogonanthera (Naudin) Cogn.	CE, MG	GPS 4697, GPS 12899, GPS 11519
Tibouchina verticillaris Cogn.	CE, CO, CS	GPS 4496, TBC 1047, ACS 3721
Tococa guianensis Aubl.	MG	RCO 865
Meliaceae		
Cabralea canjerana (Vell.) Mart.	CE	RCM 5517
Cedrela fissilis Vell.	MG, MS	BW 4578, GPS 5580
Cedrela cf. *odorata* L.	MS	GPS 5294
Guarea guidonea (L.) Sleumer	CE, MC, MG	BW 3574, GPS 10719, GPS 12050
Trichilia elegans A. Juss.	MS	BW 5870
Menispermaceae		
Cissampelos fluminensis Eichler	CE	GPS 4369
Cissampelos ovalifolia DC.	CE	BW 4538
Menyanthaceae		
Nymphoides indica (L.) Kuntze	CE	GPS 11796
Moraceae		
Brosimum gaudichaudii Trécul	CE, CS	BW 4620, GPS 11922, GPS 10488
Brosimum guianense (Aubl.) Huber	MC, MG	ACS 3506
Cecropia pachystachya Trécul	CE, MG, MS	TBC 2658, ACS 3436, GPS 10642
Dorstenia asaroides Hook.	MS	GPS 12247
Dorstenia morifolia Fisch. and C.A. Mey.	MG	GPS 12390, GPS 12325
Dorstenia cf. *vitifolia* Gardn.	MC	GPS 12888
Ficus adhatodifolia Schott ex Spreng.	MC, MG	GPS 11945, GPS 12367
Ficus eximia Schott	MC	GPS 10728
Ficus gomelleira Kunth	CE, MC, MG, MS	GPS 11703, GPS 11027
Ficus obtusifolia Kunth	CE, MC	ACS 3870, GPS 12153
Ficus obtusiuscula (Miq.) Miq.	MG	GPS 4752, GPS 10590
Ficus pertusa L. f.	CE, MC, MG	TBC 2679, GPS 10715
Maclura tinctoria (L.) D. Don ex Steud.	MS	BW 5916
Sorocea guilleminiana Gaudich.	CE, MG	GPS 5700, GPS 10926
Myristicaceae		
Virola sebifera Aubl.	MG	BW 4765
Virola urbaniana Warb.	MG	BW 3522
Myrsinaceae		
Cybianthus sp.	CE, CO, CS, MG, MS	TBC 1065, GPS 11033
Myrsine guianensis (Aubl.) Kuntze	MG	BW 3533
Myrtaceae		
Calyptranthes ovalifolia Cambess.	CR	GM 16489
Campomanesia cavalcantina Soares-Silva and Proença	CE	TBC 3529
Campomanesia eugenioides (Cambess.) D. Legrand	CE, CL	GPS 4361, TBC 1025
Campomanesia velutina (Cambess.) O. Berg	MS	GPS 5716
Eugenia angustissima O. Berg	MG	GPS 12318
Eugenia cf. *bimarginata* DC.	CE, MG	BW 3525, ACS 4065
Eugenia dysenterica DC.	CE, MC, MG, MS	GPS 5687, TBC 2673, BW 5786, GPS 10893
Eugenia flavescens DC.	CE, MC	GPS 4848, ACS 3871
Eugenia florida DC.	CE, MG, MS	GPS 5599, GPS 12187, GPS 12206
Eugenia gemmiflora O. Berg	CE, CS	TBC 968, ACS 3573, GPS 11004

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Eugenia megaflora Govaerts	MG	GPS 5660, GPS 12363
Eugenia punicifolia (Kunth) DC.	CE, CL, VE	JFP 796, TBC 1031
Eugenia sparsa S. Moore	MC, MG	BW 3569, GPS 12067
Eugenia stictopetala DC.	CE, CO, MC	BW 4757, TBC 1054, GPS 11450
Gomidesia lindeniana O. Berg	CS, MG	TBC 995
Myrcia cf. *albo-tomentosa* DC.	CS	GPS 5207
Myrcia cf. *amazonica* DC.	CE	GPS 4996
Myrcia canescens O. Berg	CS	TBC 958
Myrcia cardiaca O. Berg	CE	ACS 3465
Myrcia cordifolia O. Berg	CE, CL	RCO 893
Myrcia guianensis DC.	CE, MG, MS	AAS 589, GPS 12264
Myrcia lasiantha DC.	CL	TBC 1037
Myrcia multiflora (Lam.) DC.	CE, CS, MG, MS	GPS 4514, BW 747, BW 5789, GPS 10919
Myrcia pallens DC.	CE	BW 778, BW 5836, GPS 6573
Myrcia rhodeosepala Kiaersk.	CE, CS, MS	BW 4606, GPS 4337
Myrcia rostrata DC.	CE, MS	GPS 4451, BW 5787, ACS 3580
Myrcia rubella Cambess.	CE, CS	GPS 4699, GPS 4454
Myrcia sellowiana O. Berg	CE, CO, MG, MS	GPS 5686, GPS 4328
Myrcia splendens (Sw.) DC.	CE, MG	GPS 5413, GPS 5733
Myrcia tomentosa (Aubl.) DC.	CE, CL, MG	TBC 2676, BW 5791, GPS 10933
Myrciaria dubia (Kunth) McVaugh	MS	GPS 11439
Myrciaria cf. *floribunda* O. Berg	MG	ACS 3813
Psidium firmum O. Berg	CE	GPS 5408
Psidium grandifolium DC.	CE, CO	TBC 1155
Psidium guineense Sw.	CE	GPS 11947
Psidium myrsinites DC.	CE	GPS 4559, GPS 12331, GPS 5939
Psidium myrsinoides O. Berg	CE	GPS 5607, ACS 3759
Psidium riparium Mart. ex DC.	MC, MS	GPS 11438, ACS 3493
Psidium striatulum DC.	MC	GPS 11863
Siphoneugena densiflora O. Berg	CE, MG	GPS 4512
Nyctaginaceae		
Guapira graciliflora (Schmidt) Lundell	CE, MG	BW 5825, GPS 10964
Guapira noxia (Netto) Lundell	CE	BW 2572
Neea theifera Oerst.	CE, CS, MG	BW 4548, TBC 2663, BW 5797, GPS 10899
Ochnaceae		
Ouratea castaneifolia (DC.) Engl.	CE	FB 1419, ACS 3449-A
Ouratea confertiflora Engl.	CS	ACS 3578
Ouratea crassifolia Engl.	CE	RCO 894
Ouratea ferruginea Engl.	CE	ACS 3449
Ouratea glaucescens (A. St.-Hil.) Engl.	CE	BW 5839, GPS 10953
Ouratea hexasperma (A. St.-Hil.) Baill.	CE, CS, MG, MS	TBC 3520, BW 2581, GPS 11913, GPS 10897
Ouratea nervosa (A. St.-Hil.) Engl.	CE, CO, MS	GPS 4375, BW 687
Ouratea ovalis (Pohl) Engl.	CE, MG	TBC 3521, GPS 6523
Sauvagesia erecta L.	MC, MG	GPS 10560
Sauvagesia lanceolata Sastre	CS	JFP 555
Sauvagesia pulchella Planch. ex Seem.	CE	TBC 1168
Sauvagesia racemosa A. St.-Hil.	CE, MG, VE	TBC 1090
Sauvagesia tenella Lam.	CL	JFP 411
Olacaceae		
Ximenia americana L.	CE	GPS 10989
Oleaceae		
Priogymnanthus hasslerianus (Chodat) P.S. Green	CE, MS	GPS 5383, BW 5892, ACS 3820
Onagraceae		
Ludwigia aff. *decurrens* Walt.	MS	GPS 11614
Ludwigia cf. *leptocarpa* (Nutt.) H. Hara	MC	ACS 3497
Ludwigia longifolia (DC.) H. Hara	CE	GPS 5179
Ludwigia nervosa (Poir.) H. Hara	CE	GPS 11795
Ludwigia octovalvis (Jacq.) P.H. Raven	CE	GPS 11845
Ludwigia sedoides (Bonpl.) H. Hara	CE	GPS 11782

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Opiliaceae		
Agonandra brasiliensis Miers	CS, MG, MS, PA	GPS 4405, TBC 2616, BW 5915, GPS 12019
Orchidaceae		
Bletia catenulata Ruiz and Pav.	CE, CL, CS, MC	BW 4674, BW 4065, ACS 3610
Campylocentrum sp.	MG	BW 1093
Catasetum fuchsii Dodson and R. Vásquez	MG	GPS 10677
Catasetum spitzii Hoehne	MS	GPS 6473
Cattleya nobilior Rchb.f.	CE	ACS 3609
Cattleya walkeriana Gardn.	CE, MC, MS	BW 4060
Cleistes bella Rchb.f. and Warm.	MS	BW 4800
Cleistes metallina (Barb. Rodr.) Schltr.	VE	GPS 5844
Cyrtopodium blanchetii Rchb.f.	CE	HGS 439
Cyrtopodium eugenii Rchb.f.	CE, CS	MCA 396, GPS 11925
Cyrtopodium paludicolum Hoehne	CL	BW 4793
Cyrtopodium saint-legerianum Rchb.f.	CO, MG, MS	GPS 6404, GPS 4668
Eltroplectris cogniauxiana (Schltr.) Pabst	CE	GPS 6521
Encyclia conchaechila (Barb. Rodr.) Porto and Brade	CE, MC, MG, MS	BW 4589, BW 3576, GPS 14163, ACS 3608
Epidendrum dendrobioides Thunb.	CE, CS	TBC 3631
Epidendrum nocturnum Jacq.	MC, MG	BW 3568
Epistephium sclerophyllum Lindl.	CE, CL	GPS 4781, TBC 1088
Galeandra blanchetii E.S. Rand	CE, CR	BW 4768
Galeandra montana Barb. Rodr.	CL, CS	GPS 5957, MCA 397
Galeandra paraguayensis Cogn.	CL	JAB 1140
Galeandra styllomisantha (Vell.) Hoehne	CL, MG, VE	GPS 5899, TBC 1128
Habenaria anisitsii Kraenzl.	CL, VE	BW 4770
Habenaria caldensis Kraenzl.	CL, VE	JAB 714
Habenaria candolleana Cogn.	CL	JAB 710
Habenaria fluminensis Hoehne	CE	GPS 14195
Habenaria heringeri Pabst	CL	JAB 1035
Habenaria imbricata Lindl.	CL	JFP 1279
Habenaria irwiniana J.A.N. Batista and Bianchetti	CL, VE	JAB 712
Habenaria juruenensis Hoehne	CL	GPS 5948
Habenaria lavrensis Hoehne	CL, CR	JFP 1280
Habenaria leprieurii Rchb.f.	CL, VE	GPS 5889
Habenaria longipedicellata Hoehne	VE	GPS 4729, AAS 593
Habenaria magniscutata Catling	CL	JFP 829
Habenaria montis-wilhelminae Renz	CL	GPS 5946
Habenaria nuda Lindl.	CR	JFP 834
Habenaria obtusa Lindl.	CE, CL, CS, MG, VE	GPS 4742
Habenaria orchiocalcar Hoehne	CE, CL	JFP 835, MCA 431
Habenaria pabstii J.A.N. Batista and Bianchetti	CL	JFP 836
Habenaria pratensis (Lindl.) Rchb. f.	CE, CL, VE	GPS 5886, ACS 3948
Habenaria psammophila J.A.N. Batista and Bianchetti	CL	JAB 717
Habenaria schwackei Barb. Rodr.	CL, VE	JAB 840
Habenaria secundiflora Barb. Rodr.	CL	JFP 830
Habenaria spanophytica J.A.N. Batista and Bianchetti	CL	JFP 579
Habenaria trifida Kunth	CE	JAB 1141, MCA 430
Liparis bifolia Cogn.	CL	JFP 833
Liparis vexillifera (La Llave and Lex.) Cogn.	CL, VE	TBC 1125
Lockhartia goyasensis Rchb. f.	MG	BW 1092
Oeceoclades maculata (Lindl.) Lindl.	CE, CO, CS, MG, MS	MCA 429, GPS 11929, ACS 4001
Oncidium cebolleta Sw.	CE, CO, MG, MS	GPS 4892, GPS 11739, ACS 3607
Phragmipedium vittatum (Vell.) Rolfe	CR, VE	GM 4727, AAS 588
Polystachya concreta (Jacq.) Garay and Sweet	MG	BW 4052
Sarcoglottis homalogastra (Rchb. f. and Warm.) Schltr.	CE	ACS 4013
Sarcoglottis simplex (Griseb.) Schltr.	CL, VE	BW 709
Scaphyglottis cuneata Schltr.	MG	BW 3543
Scaphyglottis prolifera (Sw.) Cogn.	MG, MS	BW 3410
Skeptrostachys sp.	CE	MCA 437

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Vanilla palmarum (Salzm. ex Lindl.) Lindl.	MC, MG	GPS 11682, GPS 10786, GPS 14143
Veyretia undulata Szlach.	CE, CS, MG, VE	TBC 1016
Orobanchaceae		
Buchnera juncea Cham. and Schltdl.	CL	TBC 1018
Buchnera palustris (Aubl.) Spreng.	CE, CL	GPS 6450
Buchnera rosea Kunth	CE, CL, VE	TBC 1171, GPS 6540
Oxalidaceae		
Oxalis densifolia Mart. and Zucc.	CS	ACS 3543
Oxalis goyazensis Turcz.	CE	GPS 6555
Oxalis grisea A. St.-Hil. and Naudin	CE, CO, MC, MS	BW 4513, JBP 156
Oxalis hedysarifolia Raddi	MC, MG	GPS 5668, GPS 10631
Oxalis hirsutissima Mart. ex Zucc.	CE, CO	GPS 5616, BW 762, GPS 10767, GPS 10976, GPS 10601
Oxalis cf. *lotoides* Kunth	CE	ACS 3784
Oxalis pilulifera Progel	CE, CL, MG, VE	GPS 11141, BW 857
Oxalis sepium A. St.-Hil.	MS	GPS 5720
Passifloraceae		
Passiflora cerradensis Sacco	MG	BW 3536
Passiflora foetida L.	CE	ACS 3939
Passiflora nitida Kunth	MC	BW 4591
Passiflora pohlii Mast.	CE	GPS 5289, GPS 4426
Phyllanthaceae		
Margaritaria sp.	MS	BW 5893
Phyllanthus lindbergii Müll. Arg.	CE, MC	GPS 11794
Phyllanthus orbiculatus L.C. Rich.	CE, MS	GPS 5065, GPS 4350, ACS 3725, GPS 5914
Phyllanthus urinaria L.	CE	GPS 10470
Richeria grandis Vahl	MG	BW 3530
Picramniaceae		
Picramnia latifolia Tul.	MG	BW 3524
Piperaceae		
Peperomia gardneriana Miq.	MG	JFP 438
Peperomia pellucida (L.) Kunth	MS	ACS 4118
Piper aduncum L.	CE, CO, MC, MG, VE	GPS 4511, GPS 5708, GPS 12393, GPS 10409, GPS 10700
Piper arboreum Aubl.	CE, CO, MC, MG, MS	GPS 4476, GPS 5709, GPS 11714, GPS 6622
Piper dilatatum L.C. Rich.	CE, MC, MG	GPS 4435, GPS 4827, GPS 11857, GPS 12878, MCS 181
Piper fuligineum Kunth	CE, CL, MG, VE	GPS 4504, GPS 5840, GPS 12045
Piper hispidum Sw.	CE	GPS 5777, GPS 5732
Piper regnellii (Miq.) C. DC.	CE, MG	GPS 5401, GPS 5001, GPS 12395
Piper tuberculatum Jacq.	MC, MG	GPS 11118, GPS 10591, GPS 11423
Plantaginaceae		
Angelonia pratensis Gardn. ex Benth.	CE	GPS 11510
Angelonia pubescens Benth.	MC	GPS 4842
Bacopa monnierioides (Cham.) Robinson	CE, MC	GPS 11797, GPS 10471
Scoparia dulcis L.	CE, MC	ACS 3928, GPS 10629
Poaceae		
Acroceras zizanioides (Kunth) Dandy	MS	GPS 4944
Agenium villosum (Nees) Pilg.	CE	GPS 11496
Andropogon fastigiatus Sw.	CE, MS	GPS 4919, GPS 10356, GPS 11530
Andropogon gayanus Kunth	CE	GPS 10360
Anthaenantia lanata (Kunth) Benth.	CE	GPS 12377
Aristida capillacea Lam.	CE	GPS 5116, GPS 6636
Aristida longifolia Trin.	CE	GPS 10348
Aristida riparia Trin.	CE, CR	GM 16524, GPS 10352
Aristida setifolia Kunth	CE	GPS 4725
Arundinella hispida (Humb. and Bonpl. ex Willd) Kuntze	CE, MC, MG	GPS 5403, GPS 10416
Axonopus aureus P. Beauv.	CE	GHR 834
Axonopus brasiliensis (Spreng.) Kuhlm.	VE	BW 723
Axonopus chrysoblepharis (Lag.) Chase	CE	GPS 10353

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Axonopus complanatus (Nees) Dedecca	MC	GPS 11453
Axonopus leptostachyus (Flüggé) Hitchc.	CE, MG	GPS 5100
Axonopus marginatus (Trin.) Chase	CE, CS, MG	BW 4555, GPS 12276
Cynodon sp.	CE	BW 908
Dactyloctenium aegyptium (L.) Willd.	CE	BW 909
Digitaria fragilis (Steud.) Luces	CE	GPS 11497, GPS 11553
Digitaria gardneri Henrard	CE, MC	GPS 4835, ACS 3749
Echinolaena inflexa (Poir.) Chase	CR	GM 16521
Eleusine indica (L.) Gaertn.	CE, MG	GPS 14161
Elionurus adustus (Trin.) Ekman	CE	GPS 12294
Elionurus muticus (Spreng.) Kuntze	CE	GPS 6528
Eragrostis hypnoides (Lam.) Britton, Sterns and Poggenb.	PA	TBC 2643
Eragrostis maypurensis (Kunth) Steud.	CE	GPS 10351
Eragrostis rufescens Schrad. ex Schult.	CE	GPS 10476
Eragrostis solida Nees	CE	GPS 10378
Eriochloa distachya Kunth	CE	GPS 11512
Gouinia brasiliensis (S. Moore) Swallen	MC	GPS 4964
Guadua paniculata Munro	MC, MS	GPS 5145, BW 5895
Gymnopogon foliosus (Willd.) Nees	CS	ACS 3925
Hymenachne amplexicaulis (Rudge) Nees	MG, MS	GPS 4691, GPS 4458, GPS 11612
Hyparrhenia rufa (Nees) Stapf	CE	GPS 11135, GPS 10481
Ichnanthus calvescens (Nees ex Trin.) Doell	MC	GPS 13454
Ichnanthus inconstans (Trin. ex Nees) Doell	CE	GPS 6508, GPS 10596
Ichnanthus pallens (Sw.) Munro ex Benth.	CE, MG	GPS 5402, GPS 14155
Ichnanthus procurrens (Nees ex Trin.) Swallen	CE, MG, VE	GPS 11156, GPS 5729, ACS 3661
Ichnanthus ruprechtii Doell	MG	BW 2405
Lasiacis divaricata (L.) Hitchc.	MG	GPS 10714
Lasiacis lingulata Hitchc. and Chase	CE	GPS 11893
Lasiacis sorghoidea (Desv. ex Ham.) Hitchc. and Chase	MC, MG, MS	GPS 4815, GPS 5009, GPS 10417, GPS 11428
Leptochloa virgata (L.) Beauv.	MG	GPS 4688
Leptocoryphium lanatum (Kunth) Nees	CS	BW 4619
Loudetia flammida (Trin.) C. E. Hubb.	CE	GPS 11622
Loudetiopsis chrysothrix (Nees) Conert	CE, CR, MS	GPS 4788, GPS 15231
Mesosetum loliiforme (Hochst.) Chase	CE	GPS 4779, GPS 12855
Mesosetum rottboellioides (Kunth) Hitchc.	CE	GPS 4780
Microchloa indica (L. f.) P. Beauv.	CE	GPS 4571
Mnesithea aurita (Steud.) de Koning and Sosef	CE	GPS 11152
Mnesithea granularis (L.) de Koning and Sosef	CE, MG	GPS 4693, GPS 11505
Olyra sp.	CE, MS	BW 4744, JBP 45
Otachyrium seminudum Hack. ex Send. and Soderstr.	CE	BW 904
Panicum cervicatum Chase	CE	GHR 835, GPS 10755
Panicum chapadense Swallen	CE, CS	JFP 554, GPS 10754
Panicum cyanescens Nees	MS	GPS 4940
Panicum ericoides Sw.	MG	GPS 4686
Panicum cf. *hirtum* Lam.	MC, MG	GPS 12873, GPS 11427
Panicum laxum Sw.	CE, MC	GPS 10477
Panicum pilosum Sw.	CE, CO, MC, MS	BW 4603, GPS 4872, JBP 134, GPS 11457
Panicum procurrens Nees	CL	GPS 4599
Panicum rudgei Roem. and Schult.	CE	GPS 11529
Panicum sellowii Nees	MC	GPS 4963
Panicum aff. *soderstromii* Zuloaga and Sendulsky	CS	BW 4673
Panicum trichoides Sw.	MC	GPS 10564
Pariana sp.	MC	GPS 10546, GPS 11426
Paspalum ammodes Trin.	CE	GPS 12330
Paspalum atratum Swallen	CE, MG, MS	GPS 11155, ACS 3665
Paspalum carinatum Humb. and Bonpl. ex Flüggé	CE	GPS 6434, TBC 1443
Paspalum clavuliferum Wright	MS	GPS 4809
Paspalum conjugatum P.J. Bergius	MC	GPS 10547
Paspalum convexum Humb. and Bonpl. ex Flüggé	MG, MS	GPS 4687, GPS 4456

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Paspalum cultratum (Trin.) S. Denham	VE	GPS 5836
Paspalum erianthum Nees ex Trin.	CE, CS	GPS 4704, GPS 12274
Paspalum foliiforme S. Denham	CE, VE	GPS 4575
Paspalum gardnerianum Nees	CE, CR, CS, MC, MG, VE	GPS 4377, GPS 4836, GPS 11489, GPS 11531
Paspalum geminiflorum Steud.	CE, CS	GHR 833, RCO 874, GPS 11765, GPS 11495
Paspalum gemmosum Chase ex Renvoize	CE, MG, MS	GPS 5027, GPS 14187, GPS 14148
Paspalum guttatum Trin.	CE, MG, VE	BW 890
Paspalum heterotrichon Trin.	CE, MG	GPS 5112
Paspalum hyalinum Nees	CR	LC 3846
Paspalum aff. *limbatum* Henrard	MC	GPS 4967
Paspalum lineare Trin.	CE, MG, VE	BW 894, GPS 12280
Paspalum maculosum Trin.	CE, CL, MC, MG, VE	GPS 11154, GPS 5838
Paspalum malacophyllum Trin.	CE, MC, MG	GPS 5154, GPS 10746, ACS 4105
Paspalum melanospermum Desv. ex Poir.	CE	ACS 3681
Paspalum multicaule Poir.	CE, MC, MG, VE	GPS 4568, GPS 11459, GPS 14159
Paspalum multinervium A.G. Burm.	CE, CL	GPS 4622
Paspalum niquelandiae Filg.	MC	GPS 5155
Paspalum parviflorum Rhode ex Flüggé	MS	GPS 4930
Paspalum pectinatum Nees ex Trin.	CS, VE	BW 4558, BW 724
Paspalum pictum Ekman	CE	GPS 5106
Paspalum plenum Chase	MS	GPS 11607
Paspalum plicatulum Michx.	CE	GPS 5113
Paspalum polyphyllum Nees ex Trin.	CS	RCO 838
Paspalum rectum Nees	CE, MC, MG	GPS 5111, RCO 858, GPS 10570, GPS 11624
Paspalum reduncum Nees ex Steud.	MC	GPS 4969
Paspalum stellatum Humb. and Bonpl. ex Flüggé	CE, MC	GPS 5102, ACS 3691
Paspalum subsesquiglume Döll	CE	GPS 5917
Paspalum thrasyoides (Trin.) S. Denham	CE, VE	GPS 4439, BW 911
Paspalum trichostomum Hack.	CL	GPS 5955
Paspalum vallsii R. C. Oliveira and G. H. Rua	CE	GPS 6438, GPS 15237, GPS 11551
Paspalum vexillarium G.H. Rua, Valls, Graciano-Ribeiro and R.C. Oliveira	CE	GPS 14202
Paspalum virgatum L.	MC	GHR 836
Sacciolepis myuros (Lam.) Chase	CE, VE	GPS 5101, GPS 10656
Schizachyrium brevifolium (Sw.) Nees ex Büse	MC	GPS 11451
Schizachyrium microstachyum (Desv. ex Ham.) Roseng., B.R. Arrill. and Izag.	CE	GPS 11552
Schizachyrium tenerum Nees	MS	GPS 5026
Setaria parviflora (Poir.) Kerguélen	CE	GPS 11160, GPS 11514
Setaria scandens Schrad. ex Schult.	MG	GPS 4690
Setaria vulpiseta (Lam.) Roem. and Schult.	MC	GPS 11802, GPS 11424
Sporobolus cubensis Hitchc.	CE	GPS 11667
Steinchisma laxa (Sw.) Zuloaga	MC, MS	GPS 11801, GPS 11718
Trachypogon spicatus (L. f.) Kuntze	CE, CR	GM 16526, ACS 4128
Urochloa fusca (Sw.) B.F. Hansen and Wunderlin	MC, MG	GPS 4689, JBP 133, GPS 12867
Urochloa plantaginea (Link) R.D. Webster	MG	GPS 4457
Polygalaceae		
Bredemeyera floribunda Willd.	CE, MC, MG, MS	GPS 5353, GPS 11902, GPS 11705, ACS 3773
Bredemeyera hebeclada (DC.) J.F.B. Pastore	CS, MG	JFP 10
Monnina martiana A.W. Benn.	CS	JFP 426
Moutabea excoriata Mart. ex Miq.	CE	GPS 12207
Polygala carphoides Chodat	CL	JFP 1274
Polygala ceciliana Marques and J.F.B. Pastore	CL	JFP 1272
Polygala celosioides Mart. ex A.W. Benn.	CE, CL, MG	JFP 507, TBC 1166
Polygala coriacea A. St.-Hil. and Moq.	CE, CS	GPS 5613
Polygala cuspidata DC.	CE, CL	JFP 417
Polygala descoingsii Marques and J.F.B. Pastore	CL, CS	JFP 1277
Polygala elisae J.F.B. Pastore and Marques	CL	JFP 1273

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Polygala equisetoides A. St.-Hil. and Moq.	AN, CL, CS	JFP 436
Polygala fendleri Chodat	CE, CL, CS, MC	JFP 1276, TBC 1173, ACS 3651
Polygala galioides Poir.	AN, CE, CL, CS	GPS 4566, ACS 3723, GPS 5912
Polygala glabra A.W. Benn.	MG	JFP 16
Polygala glochidiata Kunth	CE, CL, CS	JFP 414, JBP 11
Polygala hebeclada DC.	CE, CL	GPS 4474, TBC 1172
Polygala herbiola A. St.-Hil. and Moq.	CE, CL, CR, CS	JFP 398
Polygala hirsuta A. St.-Hil. and Moq.	CE	GPS 11582
Polygala longicaulis Kunth	AN, CE, CL, CS, MG	JFP 416, TBC 1167, ACS 3717
Polygala marquesiana J.F.B. Pastore and T. Cavalcanti	CE	TBC 3523
Polygala monosperma A. W. Benn.	CL	TBC 1020
Polygala patens J.F.B. Pastore and Marques	CR, CS	JFP 13
Polygala pauciramosa J.F.B. Pastore and T. Cavalcanti	CL, CS	JAB 1542
Polygala poaya Mart.	CE, CS, MG	JFP 9, TBC 978, GPS 10982
Polygala pseudovariabilis Chodat	CE, CL, CS	ACS 4131
Polygala rhodoptera Mart. ex A. W. Benn.	CE, CL, MG	BW 4781, ACS 4064
Polygala rigida A. St.-Hil. and Moq.	CE	TBC 3642
Polygala saprophytica Chodat ex Grondona	CL	JFP 806
Polygala sedoides A. W. Benn.	CL	JFP 497
Polygala subtilis Kunth	CL, CS	JFP 515
Polygala suganumae J.F.B. Pastore and Marques	CL, MG	JAB 1540
Polygala tacianae J.F.B. Pastore and Marques	CL	JAB 1532
Polygala tamariscea Mart. ex A.W. Benn.	CE	GPS 10747, GPS 14201
Polygala tenuis DC.	CE, CL	JFP 379, ACS 3955
Polygala timoutou Aubl.	CL	JFP 374
Polygala violacea Aubl.	AN, CE, CS	JFP 24, JBP 7, ACS 3713
Securidaca ovalifolia A. St.-Hil. and Moq.	CO	TBC 2653
Polygonaceae		
Coccoloba ascendens Duss. ex Lindau	MG, MS	GPS 6471-A, GPS 10667
Coccoloba lucidula Benth.	MG	BW 4053, ACS 3889
Coccoloba mollis Casar.	CE	ACS 3444
Coccoloba obtusifolia Jacq.	MC, MG	GPS 12902, GPS 12871
Polygonum acuminatum Kunth	MC	GPS 10781
Polygonum ferrugineum Wedd.	MG	GPS 5420
Triplaris gardneriana Wedd.	CE, CO, MC, MG	GPS 5367, GPS 5244, GPS 11936, GPS 10774, GPS 12158
Pontederiaceae		
Eichhornia azurea (Sw.) Kunth	MC	GPS 10782
Heteranthera sp.	CE	ACS 3858
Portulacaceae		
Portulaca sp.	CE, MC	ACS 3824
Talinum paniculatum (Jacq.) Gaertn.	MG, MS	GPS 4463
Talinum patens (Jacq.) Willd.	MG	GPS 10496
Proteaceae		
Euplassa inaequalis Engl.	MG	BW 3819
Roupala montana Aubl.	CE, MG, MS	GPS 5404, BW 2409, BW 5810, ACS 3458
Psilotaceae		
Psilotum nudum (L.) P. Beauv.	MG	GPS 12392
Pteridaceae		
Adiantum deflectens Mart.	MG, MS	GPS 5593
Adiantum incertum Lindm.	MC	GPS 12879
Adiantum serratodentatum Humb. and Bonpl. ex Willd.	MC	GPS 4640
Adiantum sinuosum Gardn.	CE, MS	GPS 4349
Doryopteris sp.	CE	JFP 821
Rapateaceae		
Cephalostemon sp.	CE, CS	TBC 1444
Rhamnaceae		
Crumenaria choretroides Mart. ex Reiss.	CE, CS	GPS 5641, GPS 12224
Gouania velutina Reissek	CE, MC, MS	GPS 11690, GPS 10412

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Rhamnidium elaeocarpum Reissek	AN, CO, MG, MS	BW 4632, GPS 5398, BW 5885, GPS 10930
Ziziphus sp.	MG	GPS 4767
Rubiaceae		
Alibertia edulis (Rich.) A. Rich. ex DC.	AN, CE, CS, MC, MG	BW 4635, GPS 5766, JBP 58, ACS 3643
Augusta longifolia (Spreng.) Rehder	CE, MC, MG	GPS 5186, TBC 2654, GPS 6577
Chiococca alba (L.) Hitchc.	CE, CO, MC, MG, MS	GPS 4446, BW 4516, JBP 57, ACS 3701
Chomelia obtusa Cham. and Schltdl.	AN, CE, MC, MG, MS	BW 4636, TBC 2627, JBP 147, ACS 3705
Coccocypselum lanceolatum (Ruiz and Pav.) Pers.	MG	BW 3413
Cordiera macrophylla (K. Schum.) Kuntze	MC, MG, MS	BW 4592, GPS 11910, GPS 11941
Cordiera myrciifolia (Spruce ex K. Schum.) C. Persson and Delprete	CE, MC, MS	GPS 5622, GPS 4339, BW 5821, GPS 10994
Cordiera sessilis (Vell.) Kuntze	CE, MG, MS	GPS 5623, TBC 2603, BW 5886, ACS 3583
Coussarea hydrangeifolia (Benth.) Müll. Arg.	CE, CO, CS, MC, MG, MS	GPS 4637, BW 768, JBP 34, GPS 10490
Coussarea platyphylla Müll. Arg.	MC, MG	GPS 4639
Declieuxia fruticosa (Willd. ex Roem. and Schult.) Kuntze	CE, CS	GPS 4555, BW 3675, GPS 10764, GPS 12306, GPS 5910
Declieuxia lancifolia J.H. Kirkbr.	CE, CL, MG, VE	MCA 389
Declieuxia lysimachioides Mart. and Zucc. ex Schult. and Schult. f.	CE	GPS 4475
Diodella apiculata (Willd. ex Roem. and Schult.) Delprete	CE, MC	ACS 3793
Diodella teres (Walter) Small	CE	GPS 5916
Diodia sp.	CE	JBP 94
Emmeorhiza umbellata (Spreng.) K. Schum.	MG	BW 3412
Faramea bracteata Benth.	MG	GPS 4765, TBC 2657, ACS 3888
Faramea occidentalis (L.) A. Rich.	MG	ACS 3809
Ferdinandusa elliptica Pohl	CE, MG	BW 4750, GPS 11731, GPS 6565, GPS 11527
Ferdinandusa speciosa Pohl	MG	BW 3420
Galianthe angustifolia (Cham. and Schltdl.) E.L. Cabral	CS	TBC 1148
Galianthe grandifolia E.L. Cabral	CE, CL, CS, VE	GPS 4588, GPS 10457, GPS 14140
Galianthe verbenoides (Cham. and Schltdl.) Griseb.	CE	ACS 3971
Genipa americana L.	MC, MG	BW 4572, BW 3513, GPS 10423
Guettarda pohliana Müll. Arg.	CE, MC, MG, MS	GPS 5767, BW 4046, GPS 10722, GPS 10973
Guettarda viburnoides Cham. and Schltdl.	CE, CO, MG, MS	GPS 4595, GPS 4524, BW 5816, ACS 3720
Limnosipanea palustris (Seem.) Hook. f.	CE, VE	GPS 10661
Machaonia acuminata Bonpl.	MC, MG	GPS 4763, GPS 4830, GPS 11117, GPS 12880, GPS 11434
Mitracarpus hirtus (L.) DC.	CE	GPS 11698, GPS 5915
Mitracarpus microspermus K. Schum.	CE	GPS 6429, ACS 3753
Palicourea officinalis Mart.	CE, CO, MG, MS, VE	GPS 4554, BW 701
Palicourea rigida Kunth	CE, CS	BW 4561, BW 730, JBP 171
Perama hirsuta Aubl.	CL	JFP 537
Psychotria barbiflora DC.	CE	GPS 12386
Psychotria capitata Ruiz and Pav.	MG, MS	TBC 1102
Psychotria carthagenensis Jacq.	MC, MG	GPS 5418, GPS 10721, ACS 3593
Psychotria colorata (Willd. ex Roem. and Schult.) Müll. Arg.	CE, MC, MG, MS	GPS 4357, BW 742
Psychotria mapourioides DC.	MG	BW 4810
Psychotria subundulata Benth.	MG, MS	TBC 1101
Randia nitida (Kunth) DC.	MC	GPS 10397
Richardia grandiflora (Cham. and Schltdl.) Steud.	CE	ACS 3991
Richardia scabra L.	CE	GPS 10529
Rosenbergiodendron longiflorum (Ruiz and Pav.) Fagerl.	MC, MG	JBP 131, GPS 12866
Rudgea cornifolia (Kunth) Standl.	MG	GPS 12123
Rudgea erioloba Benth.	CE, MC, MG	GPS 4505, BW 5843, GPS 11036, GPS 11627
Rudgea viburnoides (Cham.) Benth.	CE, CS, MG, MS	BW 4608, TBC 2698, GPS 15226, GPS 10949
Sabicea brasiliensis Wernh.	CE, MS	GPS 4353
Simira corumbensis (Standl.) Steyerm.	MG, MS	GPS 12239
Spermacoce capitata Ruiz and Pav.	MS	GPS 11437

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Spermacoce aff. *eryngioides* (Cham. and Schltdl.) Kuntze	CE	ACS 3802
Spermacoce aff. *irwiniana* (E.L. Cabral) Delprete	CE	GPS 11465
Spermacoce latifolia Aubl.	CE, CS, MG, MS	JBB 81, BW 4502
Spermacoce neotenuis Govaerts	CE	ACS 3746
Spermacoce aff. *ovalifolia* (M. Martens and Galeotti) Hemsl.	CE	ACS 4047
Spermacoce pulchristipula (Bremek.) Delprete	MG	GPS 4743
Staelia virgata (Link ex Roem. and Schult.) K. Schum.	CE, CL, MC	GPS 4845, ACS 3794, GPS 5918
Tocoyena formosa (Cham. and Schltdl.) K. Schum.	CE, CO, MS	BW 4536, BW 775, BW 5793, GPS 12223, GPS 11544
Warszewiczia schwackei K. Schum	CE	GPS 12851
Rutaceae		
Zanthoxylum rhoifolium Lam.	MC, MS	BW 3251, GPS 11482, GPS 11425
Zanthoxylum riedelianum Engl.	CE, CO, MC, MG	GPS 4757, GPS 5238, GPS 13459, ACS 3734
Salicaceae		
Casearia commersoniana Cambess.	CE, CL, VE	TBC 1137, GPS 10595
Casearia grandiflora Cambess.	CE, CO, MS	BW 4532, BW 691
Casearia rupestris Eichler	CE, CO, MS, PA	GPS 5396, GPS 12178
Casearia sylvestris Sw.	CE, CS, MC, MG	GPS 5319, TBC 960, GPS 10730, GPS 6504
Homalium guianense (Aubl.) Oken	CE, MC	GPS 12209
Santalaceae		
Phoradendron andersonii Rizzini	CE	GPS 5615, ACS 3660
Phoradendron bathyoryctum Eichler	CE, MG	GPS 5746, GPS 11737
Phoradendron crassifolium (Pohl ex DC.) Eichler	CO	GPS 4873
Sapindaceae		
Allophylus petiolulatus Radlk.	MS	BW 5891
Allophylus puberulus (Cambess.) Radlk.	CE, MC	ACS 3836
Allophylus strictus Radlk.	MG	BW 744
Dilodendron bipinnatum Radlk.	CE, MC, MG, MS	GPS 5050, GPS 11888, GPS 10779
Magonia pubescens A. St.-Hil.	CE, PA	GPS 5224, GPS 12058
Matayba guianensis Aubl.	CE, MG, MS	GPS 4506, GPS 4324, GPS 12913, GPS 10991
Paullinia elegans Cambess.	MC, MG	BW 4590, GPS 12906
Paullinia spicata Benth.	MC, MG	GPS 4762, GPS 11119
Sapindus saponaria L.	CE	GPS 13460
Serjania caracasana Willd.	CE, MC, MG	TBC 2693, GPS 11933, GPS 6539
Serjania cf. *erecta* Radlk.	CE	ACS 3838
Serjania confertiflora Radlk.	CE, MC	GPS 6456, LBB 1228
Serjania glutinosa Radlk.	CE, MC	TBC 1461, GPS 10428
Serjania lethalis A. St.-Hil.	CE, MG	GPS 5774, ACS 3527
Serjania mansiana Mart.	CE	GPS 13461
Serjania meridionalis Cambess.	MG	BW 4805
Serjania ovalifolia Radlk.	CE, MG	GPS 4445, TBC 2656
Serjania reticulata Cambess.	CE	GPS 11830
Talisia esculenta (A. St.-Hil.) Radlk.	MC	ACS 3539
Urvillea ulmacea Kunth	MC	GPS 10430
Sapotaceae		
Chrysophyllum sp.	MG	BW 4048
Micropholis gardneriana (Benth.) Zarucchi and Herend.	CE, MG, MS	BW 4505, GPS 11014
Micropholis cf. *gnaphaloclados* (Mart.) Pierre	CE	ACS 3857
Micropholis venulosa (Mart. and Eichler ex Miq.) Pierre	CE, MG	GPS 5411, BW 3418, GPS 12181
Pouteria macrophylla (Lam.) Eyma	MG	GPS 12362
Pouteria ramiflora (Mart.) Radlk.	CE, CL, CO, MG, MS	GPS 5661, TBC 1459, GPS 11894, GPS 6582, GPS 10608
Pouteria torta (Mart.) Radlk.	MC, MS	BW 5903, GPS 13456
Selaginellaceae		
Selaginella marginata (Humb. and Bonpl. ex Willd.) Spring	MC	GPS 5005
Simaroubaceae		
Simaba cedron Planch.	CE, MG	GPS 5188, GPS 11747, ACS 3481, GPS 12037
Simarouba versicolor A. St.-Hil.	CE, CO	GPS 5386, GPS 5233, GPS 11886, GPS 12009
Siparunaceae		
Siparuna guianensis Aubl.	CE, CO, MC, MG, MS	TBC 1061, JBP 123, ACS 3534

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Smilacaceae		
Smilax brasiliensis Spreng.	CE, MC	GPS 12371, GPS 10789
Smilax fluminensis Steud.	CE, MG	GPS 5406, TBC 2597
Smilax syringoides Griseb.	CE	GPS 4618
Solanaceae		
Cestrum schlechtendalii G. Don	MG	BW 4649
Physalis angulata L.	MG	GPS 6619
Schwenkia americana L.	MC	GPS 10571
Solanum americanum Mill.	MS	GPS 4796
Solanum aspero-lanatum Ruiz and Pav.	MS	BW 2577
Solanum lycocarpum A. St.-Hil.	CE, CS	GPS 4403, GPS 10347, GPS 10637
Solanum palinacanthum Dunal	CE, MS	GPS 12374
Solanum scuticum M. Nee	MS	GPS 5222
Styracaceae		
Styrax camporum Pohl	MG	BW 923
Theaceae		
Laplacea fructicosa (Schrad.) Kobuski	MG	BW 3407
Thelypteridaceae		
Thelypteris sp.	MC	GPS 10565
Clavija sp.	CE, MG	JBP 48, GPS 12015
Triuridaceae		
Peltophyllum luteum Gardn.	CE	ACS 3973
Turneraceae		
Piriqueta cistoides (L.) Griseb.	MC	BW 4601
Piriqueta lourteigiae Arbo	CE, CS	BW 4639
Piriqueta odorata Rich.	MG	GPS 5657
Piriqueta sidifolia (A. St.-Hil., A. Juss. and Cambess.) Urb.	CE, CS	GPS 5634, TBC 986
Turnera caerulea DC.	CE	GPS 11541
Turnera incana Cambess.	CE, CR	TBC 2207, BW 903, GPS 10510
Turnera longiflora Cambess.	CE	BW 4646, TBC 2671
Turnera pohliana Urb.	CE	TBC 1097
Turnera pumilea L.	AN, MS	BW 918
Turnera trigona Urb.	CE	BW 902
Urticaceae		
Urera cf. *caracasana* (Jacq.) Gaudich. ex Griseb.	MS	GPS 4856
Velloziaceae		
Vellozia glochidea Pohl	CE	GPS 4654, BW 714
Vellozia squamata Pohl	CE, CL, MC	GPS 5060, GPS 5833, GPS 12012
Vellozia variabilis Mart. ex Schult. f.	CE	GPS 6459
Verbenaceae		
Aloysia virgata (Ruiz and Pav.) Pers.	MC	GPS 11944
Casselia chamaedryfolia Cham.	CE, CO, CS, MG	BW 4614, TBC 2647, GPS 12285
Lantana achyranthifolia Desf.	CE, MC, MS	GPS 4436, GPS 5722, JBP 6, ACS 4038
Lippia alba (Mill.) N.E. Br.	CS	TBC 2636
Lippia gardneriana Schauer	CE	BW 751
Lippia grandiflora Mart.	CE, CS	BW 4617, GPS 10986
Lippia lupulina Cham.	CE	GPS 13495
Lippia cf. *microphylla* Cham.	CE	GPS 10509
Lippia oxyonemis Schauer	CE	GPS 6486
Lippia primulina S. Moore	CE	GPS 5603, GPS 12113
Lippia sericea Cham.	CE	GPS 6551
Lippia vernonioides Cham.	MS	GPS 5169
Stachytarpheta reticulata Mart.	CE	JBP 112, GPS 11490
Violaceae		
Hybanthus communis (A. St.-Hil.) Taub.	MS	GPS 5755
Hybanthus lanatus (A. St.-Hil.) Baill.	CE, CO, CS	GPS 5618, GPS 4662, GPS 10981
Rinorea guianensis Aubl.	MG	GPS 6566
Vitaceae		
Cissus duarteana Cambess.	CE, MG, VE	GPS 4440, TBC 1179, JBP 33

Table 1. ***Continued.***

TAXON	PHYSIOGNOMY	VOUCHER
Cissus erosa Rich.	CE, CL, CO, CS, MC, MG, MS, VE	BW 4569, BW 915, ACS 3931
Cissus sicyoides L.	CE, MS	GPS 5724, GPS 10771
Cissus simsiana Schult. and Schult. f.	CE, CO, MC	BW 4798, GPS 5734
Cissus sulcicaulis (Baker) Planch.	CO, MC	GPS 4870, GPS 11432
Cissus verticillata (L.) Nicolson and C.E. Jarvis	CE, MC, MS, VE	BW 4751, GPS 4801, ACS 3641, GPS 11433
Vochysiaceae		
Callisthene fasciculata Mart.	CE, CO, MC, MG, MS	GPS 5108, TBC 2686, BW 5841, GPS 11041
Callisthene major Mart.	CE	GPS 4584, BW 2592, ACS 3406
Callisthene minor Mart.	CE	GPS 11874, ACS 3770
Qualea dichotoma (Mart.) Warm.	MC, MS	BW 3572
Qualea grandiflora Mart.	CE, CL, MS	GPS 4393, TBC 2674, JBP 114, GPS 10341
Qualea multiflora Mart.	CE, MC, MS	GPS 5109, GPS 13480, JBP 54, GPS 12384
Qualea parviflora Mart.	CE, CS, MS	BW 4524, BW 766, GPS 10491, GPS 10997
Salvertia convallariodora A. St.-Hil.	CE, CO	GPS 5229, GPS 11665, GPS 10598
Vochysia elliptica Mart.	CE	GPS 10763
Vochysia cf. *gardneri* Warm.	CE	GPS 4768
Vochysia pruinosa Pohl	CE	TBC 1162, GPS 10517
Vochysia pumila Pohl	CE, VE	GPS 5124
Vochysia pyramidalis Mart.	CE, MG	GPS 5683, AAS 590
Vochysia rufa Mart.	CE, CS	BW 3293, GPS 6549
Vochysia thyrsoidea Pohl	MS	GPS 5173
Xyridaceae		
Xyris concinna N.E. Br.	CE	TBC 1089
Xyris laxifolia Mart.	CE, CL, MG, VE	GPS 4623, BW 881
Xyris malmeana L.B. Sm.	CE	GPS 6447
Xyris savanensis Miq.	CE, MS	GPS 5089
Xyris tenella Kunth	CL	JFP 539
Zingiberaceae		
Renealmia sp.	MG	BW 4811

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Literature Cited

APG (Angiosperm Phylogeny Group) III. 2009. An update of the Angiosperm Phylogeny Group classification for the orders and families of flowering plants: APG III. *Botanical Journal of Linnean Society* 161 (20): 105-121.

Bridgewater, S., J.A. Ratter and J.F. Ribeiro. 2004. Biogeographic patterns, β diversity and dominance in the cerrado biome of Brazil. *Biodiversity and Conservation* 13: 2295-2318.

Cavalcanti, T.B. and S.E. Noronha. 2009. Lythraceae. *In* A.M. Giulietti, A. Rapini, M.J.G. Andrade, L.P. Queiroz and J.M.C. Silva. 2009. *Plantas raras do Brasil.* Belo Horizonte: Conservação Internacional. 496 p.

Chase, M.W. and J.L. Reveal. 2009. A phylogenetic classification of the land plants to accompany APG III. *Botanical Journal of the Linnean Society* 161: 122-127.

Eiten, G. 1972. The Cerrado vegetation of Brazil. *Botanical Review* 38 (2): 201-341.

Felfili, J. M. and C.W. Fagg. 2007. Floristic composition, diversity and structure of "cerrado" *sensu stricto* on rocky soils on northern Goiás and southern Tocantins, Brazil. *Revista Brasileira de Botânica* 30 (3): 375-385.

Filgueiras, T.S., P.E. Nogueira, A.L. Brochado and G.F. Guala II. 1994. Caminhamento: um método expedito para levantamentos florísticos qualitativos. *Cadernos de Geociências* 12: 39-43.

Forzza, R.C., P.M. Leitman, A.F. Costa, A.A. Carvalho Jr., A.L. Peixoto, B.M.T. Walter, C. Bicudo, D. Zappi, D.P. Costa, E. Lleras, G. Martinelli, H.C. Lima, J. Prado, J.R. Stehmann, J.F.A. Baumgratz, J.R. Pirani, L. Sylvestre, L.C. Maia, L.G. Lohmann, L.P. Queiroz, M. Silveira, M.N. Coelho, M.C. Mamede, M.N.C. Bastos, M.P. Morim, M.R. Barbosa, M. Menezes, M. Hopkins, R. Secco, T.B. Cavalcanti and V.C. Souza, 2010. *Lista de Espécies da Flora do Brasil*. Rio de Janeiro: Jardim Botânico do Rio de Janeiro.

Forzza, R.C., J.F.A. Baumgratz, C.E.M. Bicudo, D.A.L. Canhos, A.A. Carvalho Jr., A. Costa, D.P. Costa, M. Hopkins, P.M. Leitman, L.G. Lohmann, E. Nic Lughadha, L.C. Maia, G. Martinelli, M. Menezes, M.P. Morim, M.A.N. Coelho, A.L. Peixoto, J.R. Pirani, J. Prado, L.P. Queiroz, S. Souza, V.C. Souza, J.R. Stehmann, L.S. Sylvestre, B.M.T. Walter and D. Zappi. 2012. New Brazilian floristic list highlights conservation challenges. Bioscience. 62 (1): 39-45.

Fundação Biodiversitas. 2011. *Lista da flora brasileira ameaçada de extinção*. Electronic database accessible at http://www.biodiversitas.org.br/floraBr/consulta_fim.asp. Captured on 10 February 2011.

Giulietti, A.M., A. Rapini, M.J.G. Andrade, L.P. Queiroz and J.M.C. Silva. 2009. *Plantas raras do Brasil.* Belo Horizonte: Conservação Internacional. 496 p.

IUCN. *Red List 2010*. International Union for the Conservation of Nature and Natural Resources. Electronic database accessible at http://www.iucnredlist.org. Captured on 20 March 2010.

Mendonça, R.C., J.M. Felfili, B.M.T. Walter, M.C. Silva Júnior, A.V. Rezende, T.S. Filgueiras and P.E. Nogueira. 2008. Flora vascular do cerrado. *In* S.M. Sano and S.P. Almeida (ed.). *Cerrado, Ambiente e flora*. Planaltina: EMBRAPA CPAC.

MMA. 2008a. *Mapas de Cobertura Vegetal dos Biomas Brasileiros*. Brasília: Ministério do Meio Ambiente.

MMA. 2008b. *Lista oficial de espécies da flora brasileira ameaçada de extinção*. Instrução Normativa 6, de 23/09/2008. Brasília: Ministério do Meio Ambiente.

Mori, S.A., L.A.M. Silva, G. Lisboa and L. Coradin. 1985. *Manual de manejo do herbário fanerogâmico*. Ilhéus: Centro de Pesquisas do Cacau. 97p.

Ratter, J.A., S. Bridgewater and J.F. Ribeiro. 2003. Analysis of the floristic composition of the brazilian cerrado vegetation III: Comparison of the woody vegetation of 376 areas. *Edinburgh Journal of Botany* 60 (1): 57-109.

Ribeiro, J.F. and B.M.T. Walter. 2008. As principais fitofisionomias do bioma Cerrado. *In* S.M. Sano, S.P. Almeida and J.F. Ribeiro (org.). *Cerrado: ecologia e flora*. Brasília: Embrapa Cerrados/Embrapa Informação Tecnológica.

SEPLAN. 2008. *Atlas do Tocantins: subsídios ao planejamento da gestão territorial*. Palmas: Secretaria de Planejamento. 62 p.

SIEG. 2010. *Sistema de Informações Estatística e Geográficas de Goiás.* Electronic database accessible at http://www.sieg.go.gov.br. Captured on 8 November 2010.

Silva, F.A.M., E.D. Assad and B.A. Evangelista. 2008. Caracterização climática do bioma Cerrado; p. 70-88. *In* S.M. Sano, S.P. Almeida and J.F. Ribeiro (org.). *Cerrado: ecologia e flora*. Brasília: Embrapa Cerrados/Embrapa Informação Tecnológica.

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